

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
JUNE 2009 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc. 
Consulting Scientists & Engineers
3020 Bozeman Avenue
Helena, MT 59601

May 2010

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RECEIVED

MAY 04 2010



BARRY DAMSCHEN CONSULTING

5531 York Road • Helena, MT 59602

Phone (406) 443-2938

Fax (406) 449-6140

May 3, 2010

Martin Van Oort
Solid Waste Program
Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Dear Martin:

Please find enclosed our copy of the groundwater results for the Spring, 2009 sampling at the Sanitation Inc. landfill. The samples were collected on June 22, 2009.

There was a significant delay (several months) between the sampling taking place and the results being released by Energy Labs due to a problem with Wells Fargo releasing the post closure trust funds which resulted in Energy Labs not being paid. This problem has now been resolved and this delay should not occur again, hopefully.

As indicated in the attached report, there does not appear to be any significant changes in the quality of the groundwater from the last sampling event.

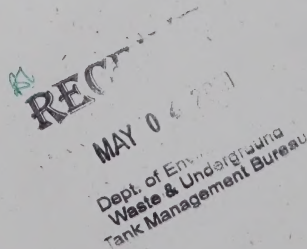
If you have any questions, please do not hesitate to call me.

Very truly yours,
BARRY DAMSCHEN CONSULTING, LLC

Barry E. Damschen, P.E.
Project Manager

Enclosure

cc: Sanitation, Inc.





May 3, 2010

Mr. Barry Damschen, P.E.
Barry Damschen Consulting, LLC
P.O. Box 51210
Billings, MT 59105

RE: June 2009 Groundwater Monitoring Results
Closed Sanitation, Inc. Landfill, Lewistown, MT

Dear Barry,

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the June 2008 groundwater monitoring at the Closed Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on June 22, 2009.

Groundwater Flow Results

Monitoring locations for the Sanitation, Inc. landfill are shown on Figure 1. Static water levels were collected at monitoring wells SIMW-2, SIMW-3, and SIMW-4, and at piezometers SIP-1 and SIP-2 during the June 2009 monitoring event. The general shallow groundwater flow direction at the site is to the north and west, with water level depths ranging from about 30 to 50 feet below the wellhead measuring point (Table 1). Compared with the June 2008 water level measurements, June 2009 groundwater elevations decreased at all monitoring locations, by amounts ranging from 0.23 feet at SIP-1 to 5.63 feet at SIMW-4. Typically, water level fluctuations are largest at well SIMW-4, presumably due to varying influence from the nearby detention pond (Figure 1).

The hydraulic gradient at the site appears to increase with proximity to the small draw to the north. An estimated average gradient of 0.15 was calculated for the site, based on the distance between the 4090-ft and 4040-ft groundwater elevation contours with a flow direction toward SIMW-4 (Figure 1). The groundwater seepage velocity can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the formula $V_s = KI/n_e$ where V_s = seepage velocity (ft/day); K = hydraulic conductivity (ft/day); I = hydraulic gradient (dimensionless); and n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-4 for June 2009 is 3.9 ft/day or about 1420 ft/year.

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Groundwater Quality Results

Water quality samples were collected from wells SIMW-2, SIMW-3, and SIMW-4 by bailing. Well SIMW-1 was previously removed from the groundwater monitoring program, so no sample or water level was collected at this well. Quality control (QC) samples included a field duplicate (collected at SIMW-4), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

Trend plots were compiled for selected parameters and are in Attachment 1. Statistical Reports are located on the compact disc in Attachment 2 and field sampling notes and laboratory analytical reports are in Attachment 3.

Quality Control Results

Quality control sample results were generally within standard control limits. No parameters were reported in the trip blank. The duplicate sample pair showed excellent agreement, compared with the control limits presented in EPA guidance (EPA, 2004). Suggested duplicate sample control limits are $<20\%$ relative percent difference (RPD) for duplicate pairs with results $\geq$ five times the reporting limit (RL), or $\pm$ the reporting limit for duplicate pairs with one or both results $\leq$ five times the reporting limit. The June 2009 groundwater data for the closed Sanitation, Inc. Landfill sample-duplicate pair showed RPDs ranging from 0.0% to 10.5%, with an average of 2.7%. Dissolved nickel and zinc results agreed to within the $\pm$ RL control limit. Concentrations of volatile organic compounds (VOCs) were all below detection limits in the sample-duplicate pair.

Note that for sample-duplicate pairs, the higher of the two values reported is retained in the database and used for statistical testing purposes (or the lower of the two values for pH).

Several relatively minor laboratory QC exceedances were noted, including percent recoveries on cyanide matrix spikes, and surrogate and matrix spike results for several VOC parameters. However, given the analytical parameters affected and the groundwater sample results, these QC exceedances are not considered significant in terms of overall data quality or data interpretation.

Statistical Testing Results

Intrawell prediction limits were used for statistical testing of the June 2009 groundwater data, since none of the three wells currently monitored can be considered upgradient of the waste fill areas. Baseline data for each parameter at each well included all appropriate data prior to the current sampling event. Outliers were identified and removed from the baseline data set through inspection of trend plots and/or probability plots. Outliers that were removed for purposes of intrawell statistical testing are tabulated in Attachment 2, and are also identified on the trend plots in Attachment 1 and on the probability plots in Attachment 2 for reference.

The Shapiro-Wilks Test of Normality was used to determine the distribution of the data (after removal of outliers) for each parameter at each well. June 2009 results were then compared with parametric or nonparametric prediction limits, based on the results of the normality test. The intrawell prediction limit results are summarized in Table 2, and detailed statistical reports are in Attachment 2.

Inorganic Parameters

In general, inorganic parameter concentrations for June 2009 were similar to previous data. Note that the chloride value reported at well SIMW-4 (<1 mg/L reported in both the original and duplicate sample) is likely an error. Previous chloride concentrations at SIMW-4 have ranged from 114 to 282 mg/L.

Groundwater pH in the Sanitation, Inc. monitoring wells ranged from 6.9 to 7.2 in June 2009, and SC values ranged from 1130 μ mhos/cm at SIMW-3 to 3660 μ mhos/cm at SIMW-4. Elevated nitrate + nitrite concentrations persisted at SIMW-3 (11.5 mg/L, exceeding the DEQ-7 groundwater standard of 10 mg/L), with lower concentrations reported at SIMW-2 (2.75 mg/L) and SIMW-4 (1.03 mg/L). Detectable metals concentrations in June 2009 groundwater samples included iron (0.06 mg/L) at well SIMW-2, selenium (0.022 mg/L) and zinc (0.01 mg/L) at well SIMW-3, and nickel (0.03 mg/L) and zinc (0.04 mg/L) at well SIMW-4 (Table 2). All other dissolved metals concentrations were below laboratory reporting limits.

Statistical testing indicated that two inorganic parameters (sulfate at well SIMW-3 and nitrate + nitrite at well SIMW-4) exceeded prediction limits (Table 2). Mann-Kendall trend testing of these datasets showed an increasing trend for sulfate at SIMW-3, and no trend for nitrate + nitrite at SIMW-4. The trend plots in Attachment 1 indicate that the most recent two sulfate results at SIMW-3, for June 2008 (165 mg/L) and June 2009 (179 mg/L), were higher than any previously recorded results for this well (119 to 148 mg/L), resulting in the statistically significant increasing trend. The nitrate + nitrite data for well SIMW-4 follow a similar pattern, with the two most recent monitoring results reported at 1.70 and 1.03 mg/L, and prior results ranging from <0.05 to 0.63 mg/L. The more limited number of samples available for trend analysis at SIMW-4 is likely responsible for the lack of a significant trend based on Mann-Kendall testing.

Organic Parameters

Similar to previous monitoring events, wells SIMW-2 and SIMW-3 each had low-level VOC parameters reported in the June 2009 samples, qualified 'J' as present, but below the laboratory reporting limit, as follows:

Site	6/09 VOCs Reported (μ g/L)
SIMW-2	1,1,1-trichloroethane (0.61 J)
SIMW-3	1,1,1-trichloroethane (0.55 J) trichlorofluoromethane (0.87 J)

Mann-Kendall trend tests were conducted for each of the reported VOC parameters. One parameter (1,1,1-trichloroethane at SIMW-3) yielded a statistically significant increasing trend (Table 2). However, inspection of the trend plot in Attachment 1 shows that concentrations have fluctuated over a concentration range of about 0.2 to 0.6 µg/L over the last five sampling events, and that the significant Mann-Kendall result is primarily due to replacement of non-detects with zero prior to trend testing.

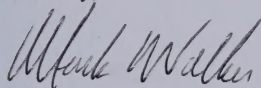
No VOCs were reported in the sample from well SIMW-4 in June 2009, in contrast to June 2008 when two VOCs were reported, and June 2007 when nine compounds were reported. The petroleum- and solvent-type constituents reported at well SIMW-4 in 2006 and 2007 were absent in the 2008 and 2009 samples.

Summary

Groundwater elevation data for the June 2009 groundwater-monitoring event at the Closed Sanitation, Inc. Landfill were consistent with historic results, indicating flow to the north and west and an approximate seepage velocity of 3.9 ft/day. Groundwater samples collected in June 2009 showed results consistent with previous data. Intrawell prediction limit exceedances were noted for sulfate at SIMW-3 and nitrate + nitrite at SIMW-4, with an increasing Mann-Kendall trend test result for sulfate. Low (J-qualified) concentrations of 1,1,1-trichloroethane and trichlorofluoromethane were reported at SIMW-2 and SIMW-3, similar to results previously observed. No VOCs were reported at SIMW-4 in June 2009, compared with two VOCs reported in June 2008 and nine VOCs reported in June 2007.

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150, ext. 146.

Sincerely,



Mark Walker
Environmental Scientist

Enclosures

c: Closed Sanitation, Inc. Landfill
Barry Damschen Consulting, LLC

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- EPA, 2004. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (Final). Office of Superfund Remediation and Technology Innovation, EPA 540-R-04-004, October 2004.

TABLES

TABLE 1. WATER LEVEL MEASUREMENT RESULTS

Well	June 2009 Static Water Level (ft bmp)	June 2009 Groundwater Elevation (ft)
SIMW-2	34.22	4089.49
SIMW-3	30.01	4080.90
SIMW-4	33.05	4045.02
SIP-1	33.66	4086.58
SIP-2	49.76	4101.58

NOTES: bmp = below measuring point

TABLE 2. JUNE 2009 INTRAWELL PREDICTION LIMIT SUMMARY
Closed Sanitation, Inc. Landfill, Lewistown, Montana

<i>Parameter</i>	SIMW-2			SIMW-3			SIMW-4		
	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>
pH (s.u.)	N(95)	6.2-8.3	7.1	N(95)	6.7-8.0	7.2	N(99)	6.4-7.6	6.9
SC (µmhos/cm)	NN	1566	1370	ln-N(99)	1135	1130	N(95)	2400	3660
chloride (mg/L)	NN	66	58	N(95)	38	32	NC	NC	<1 ³
sulfate (mg/L)	N(95)	224	240	ln-N(99)	162	179**	N(95)	393	237
COD (mg/L)	N(95)	19	3	ln-N(99)	52	2	N(95)	231	65
nitrate + nitrite (mg/L as N)	N(95)	4.91	2.75	N(95)	12.9	11.5	NN	0.60	1.03*
iron (diss) (mg/L)	NN	0.10	0.06	NC	NC	<0.03	NC	NC	<0.03
nickel (diss) (mg/L)	NC	NC	<0.01	NC	NC	<0.01	N(95)	0.08	0.03
selenium (diss) (mg/L)	NC	NC	<0.005	N(95)	0.027	0.022	NC	NC	<0.005
zinc (diss) (mg/L)	NN	0.08	0.01	NN	0.03	0.01	N(99)	0.04	0.04
1,1,1-trichloroethane (µg/L)	ND		0.61 (J)*	ND		0.55 (J)**	NC		<1.0
trichlorofluoromethane (µg/L)	NC		<1.0	ND		0.87 (J)*	NC		<1.0

NOTES: ¹ Dist = Distribution; test for normality was conducted using the Shapiro-Wilks test.

N(X) = data normally distributed at X% level of significance

ln-N(X) = data ln-normally distributed at X% level of significance

NN = data not normally or ln-normally distributed at 95% or 99% level of significance.

ND = baseline data below detection limits. Value shown is the detection limit.

² PL = Prediction limits; calculated as follows:

Normal or ln-normal distribution: parametric intrawell prediction interval (99% one-sided, two-sided for pH)

Non-normal distribution: non-parametric intrawell prediction interval (99% one-sided, two-sided for pH)

ND: any detectable concentrations in compliance wells are considered significant

³ Reported chloride value of <1 mg/L is anomalous; previous concentrations ranged from 114 - 282 mg/L.

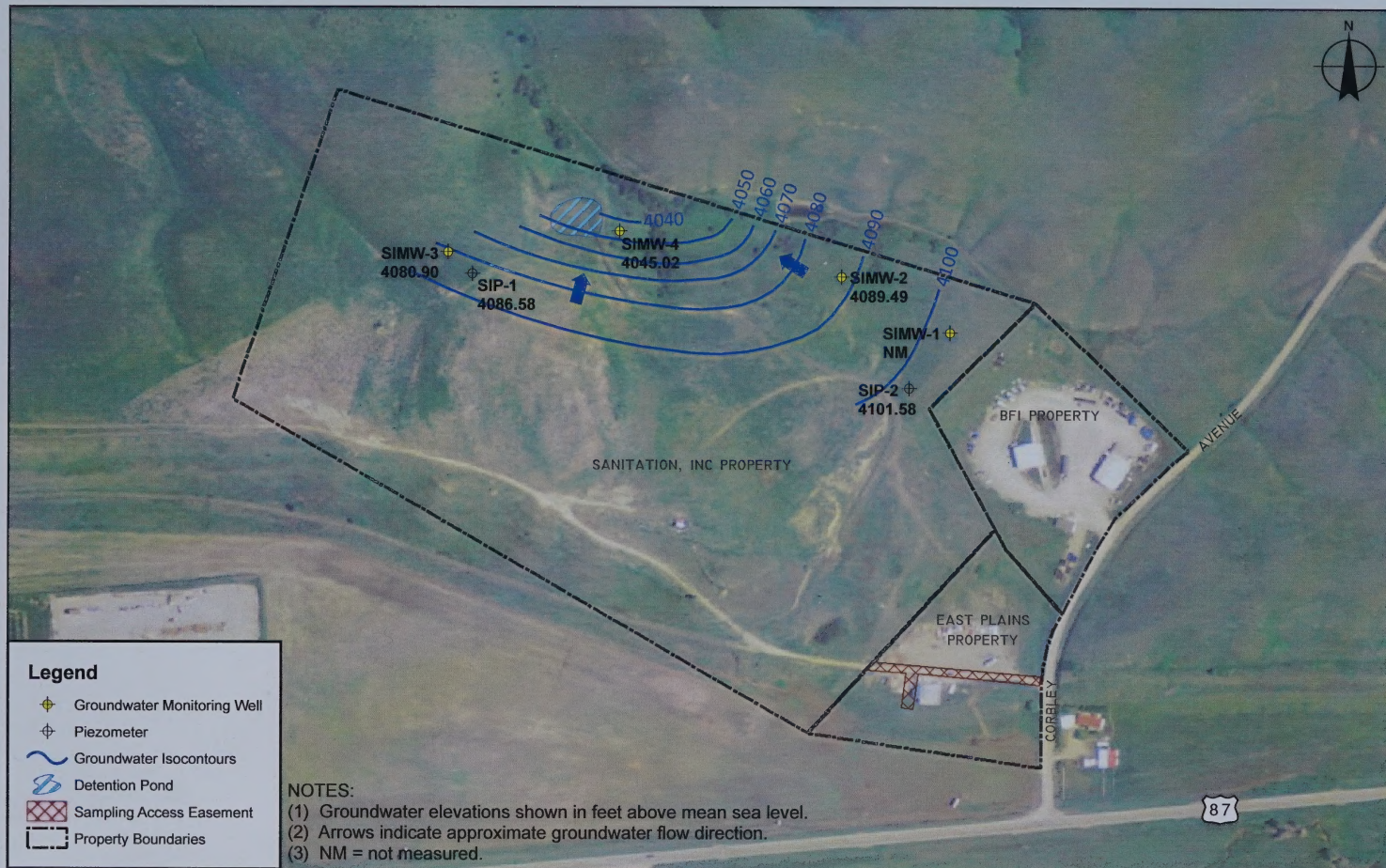
Bold values indicate statistically significant results.

NC = not calculated (most recent sample below detection limit).

*Mann-Kendall trend test indicated no significant increasing trend.

**Mann-Kendall trend test indicated a significant increasing trend.

FIGURES



Closed Sanitation, Inc. Landfill
June 2009 Groundwater Monitoring Report

JUNE 2009
GROUNDWATER MONITORING LOCATIONS
AND GROUNDWATER ELEVATIONS

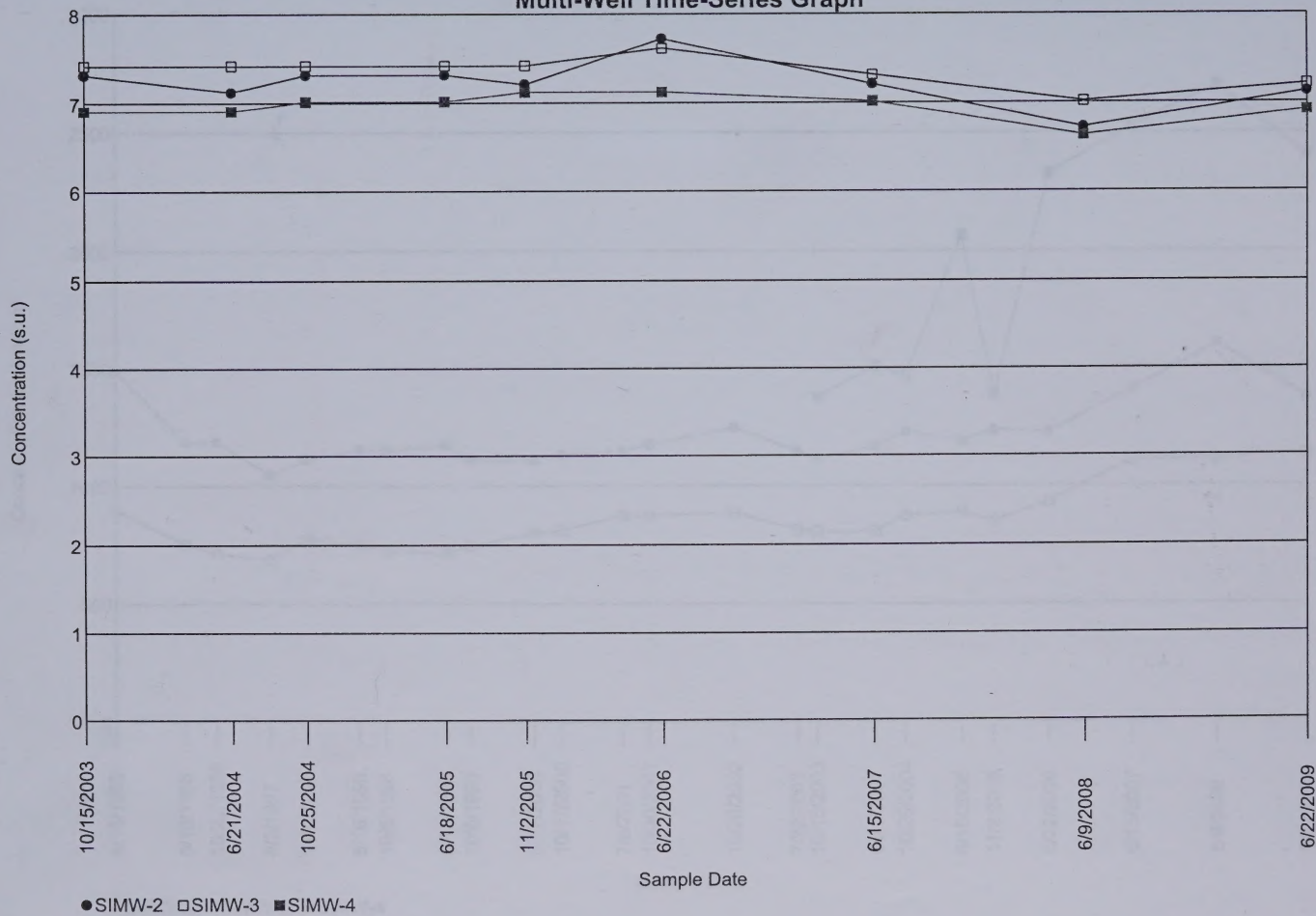
FIGURE

1

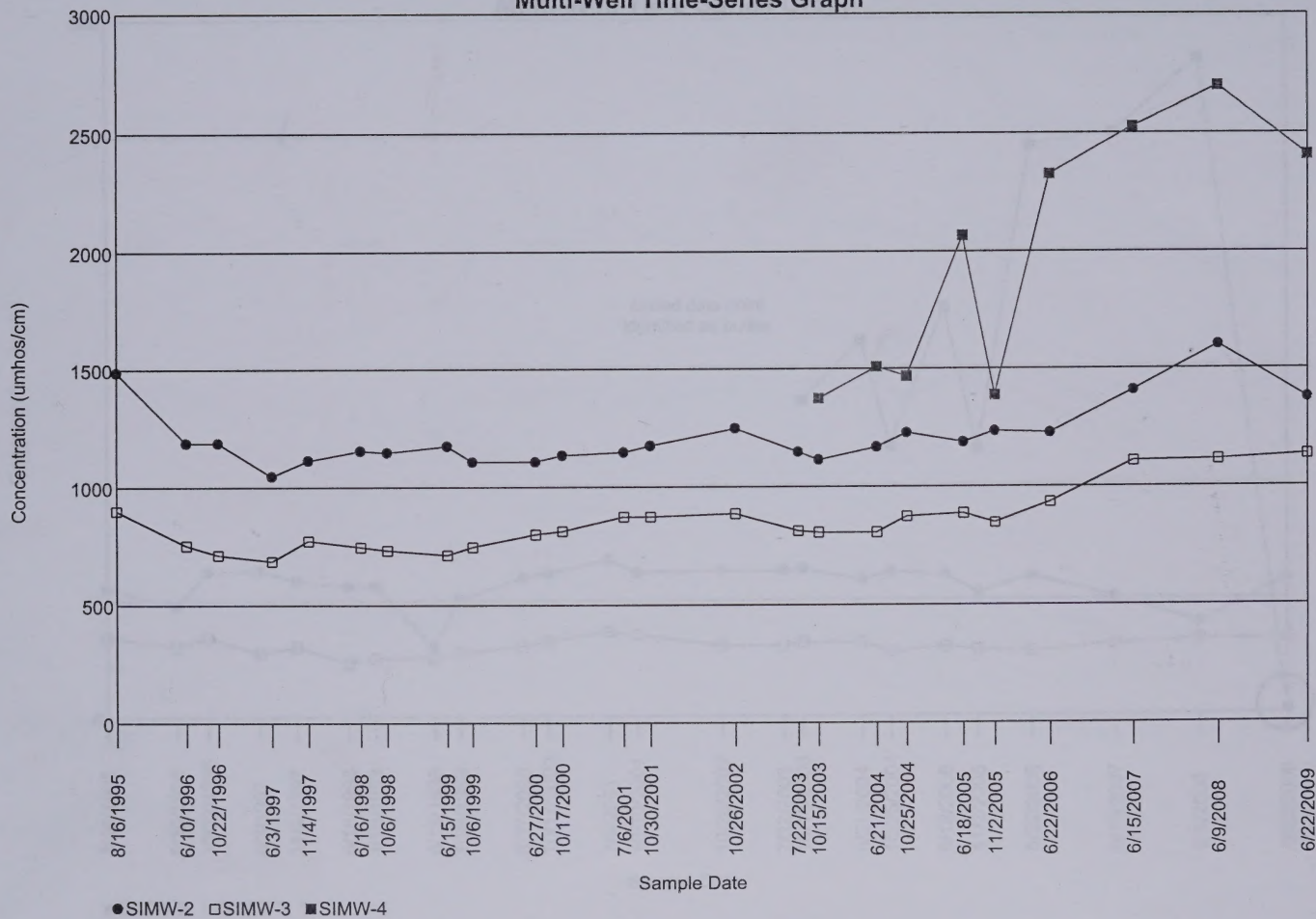
ATTACHMENT 1

TREND GRAPHS

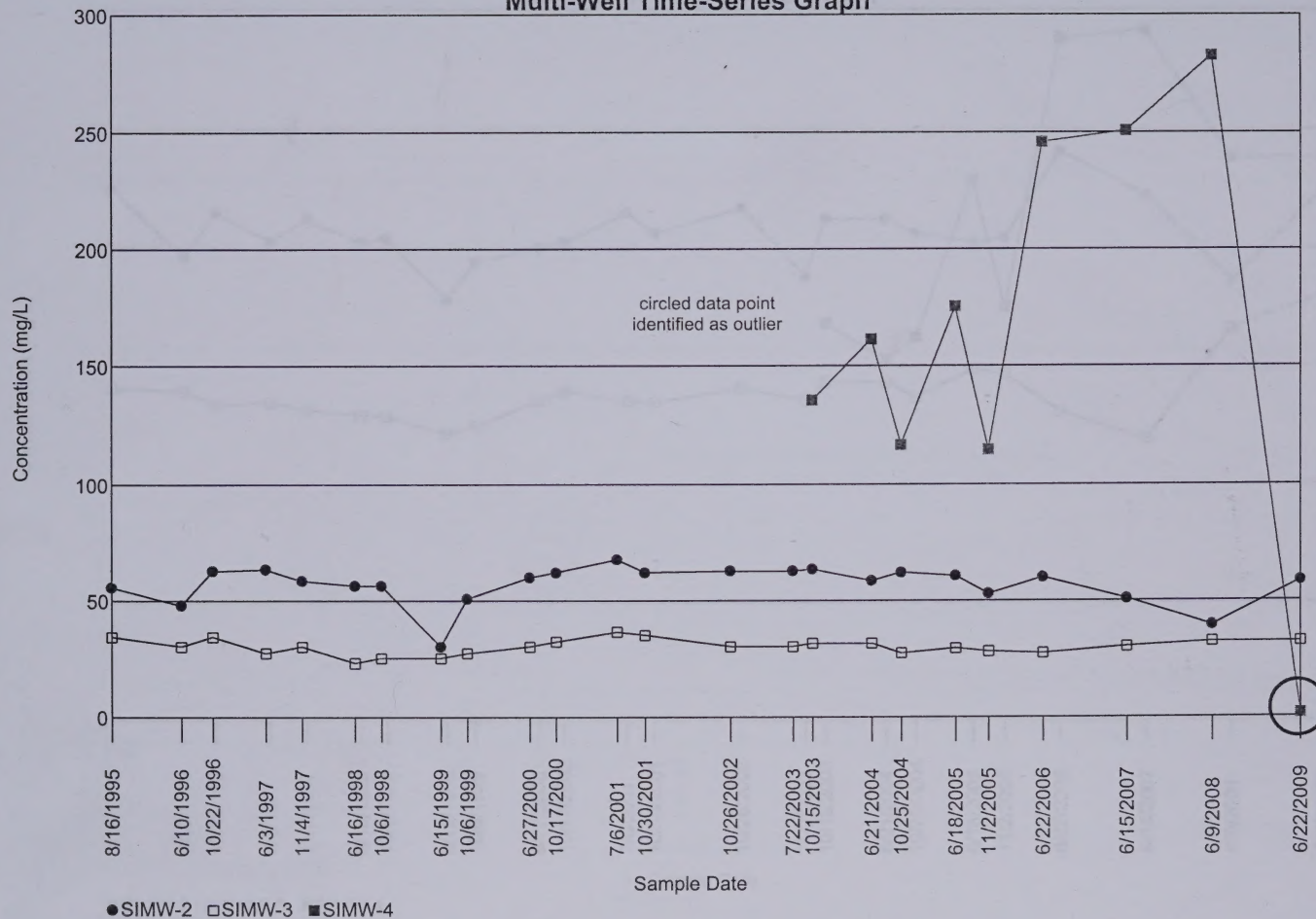
pH Multi-Well Time-Series Graph



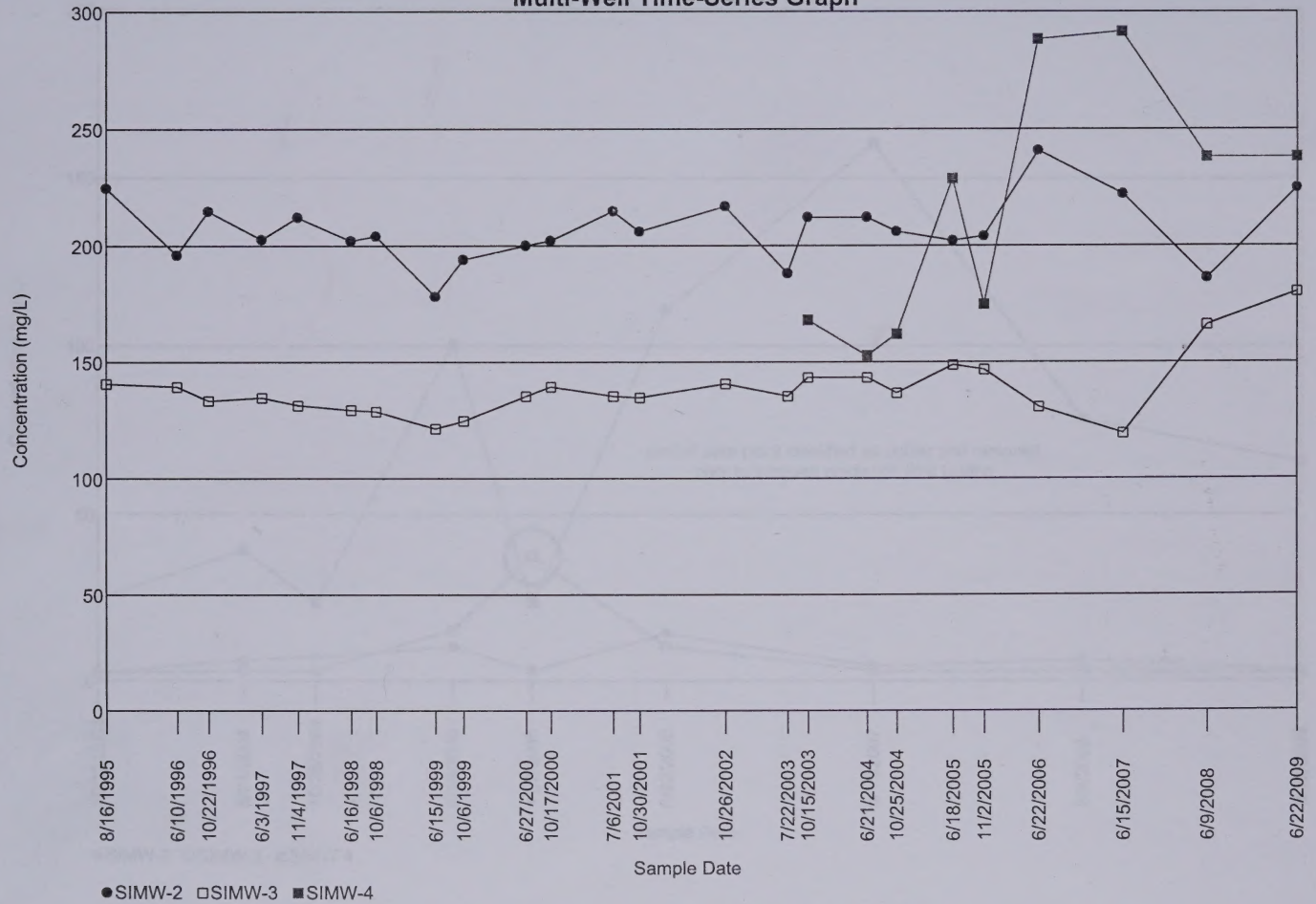
Conductivity Multi-Well Time-Series Graph



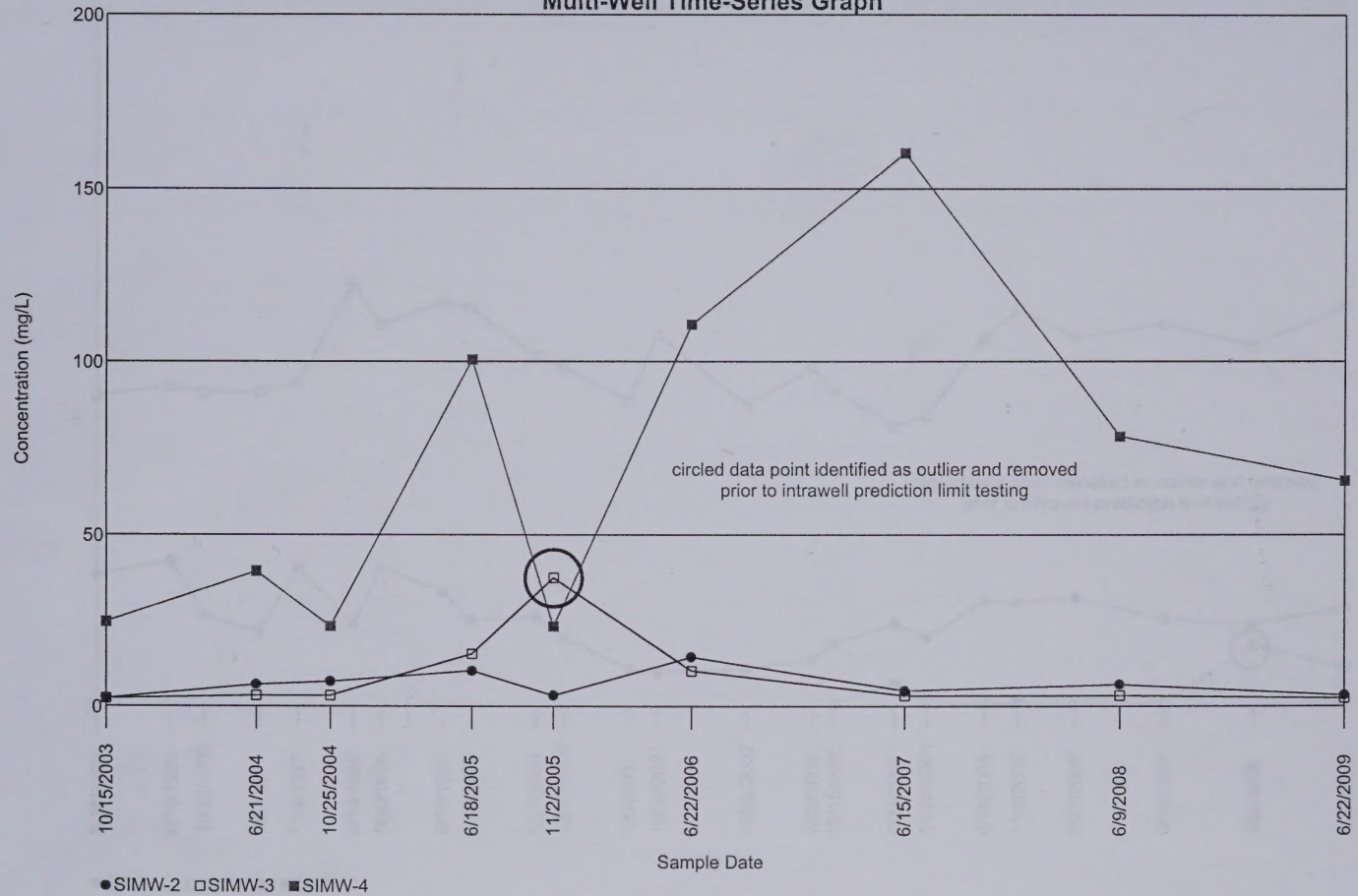
Chloride (Cl) Multi-Well Time-Series Graph



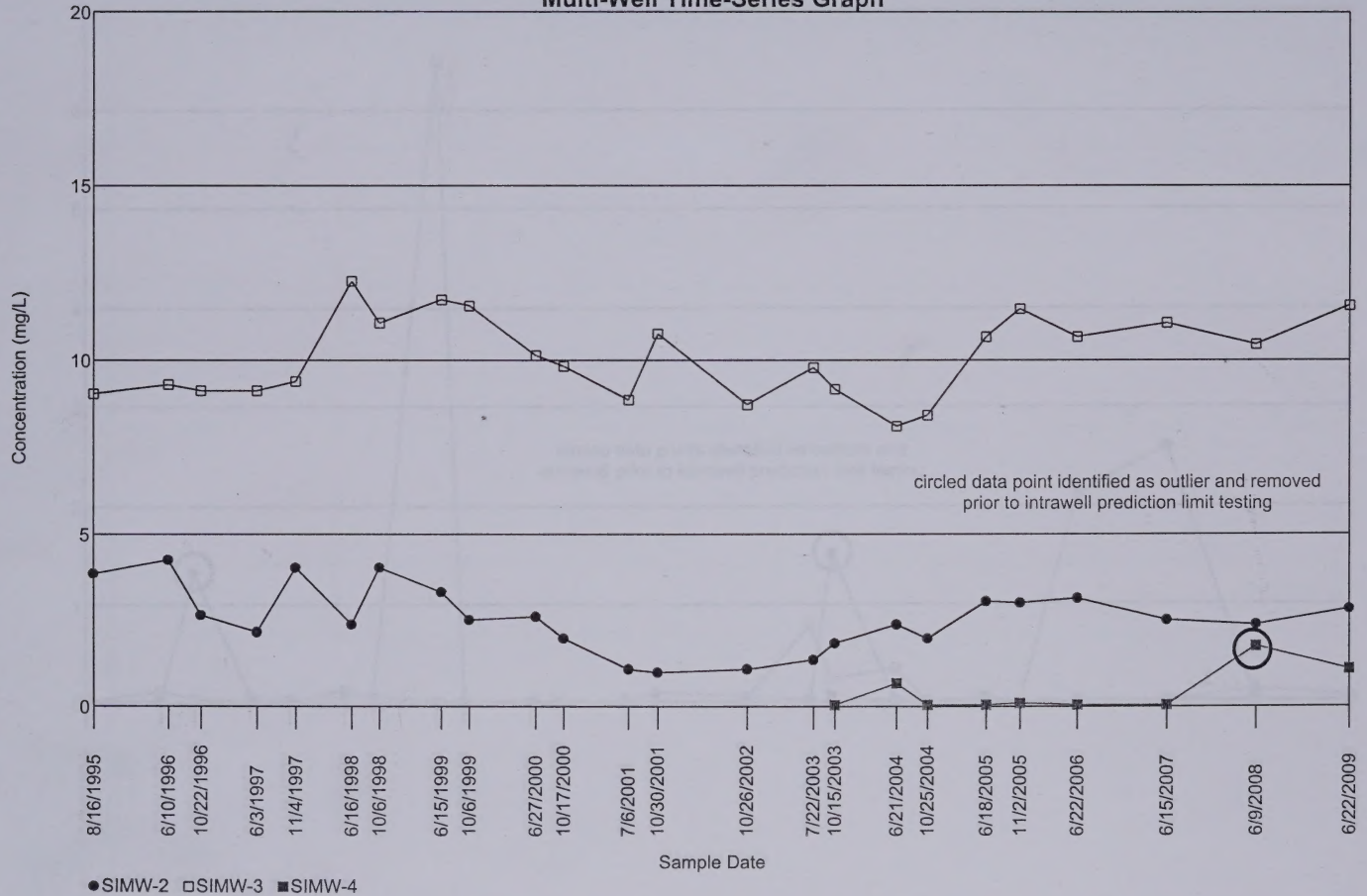
Sulfate (SO₄) Multi-Well Time-Series Graph



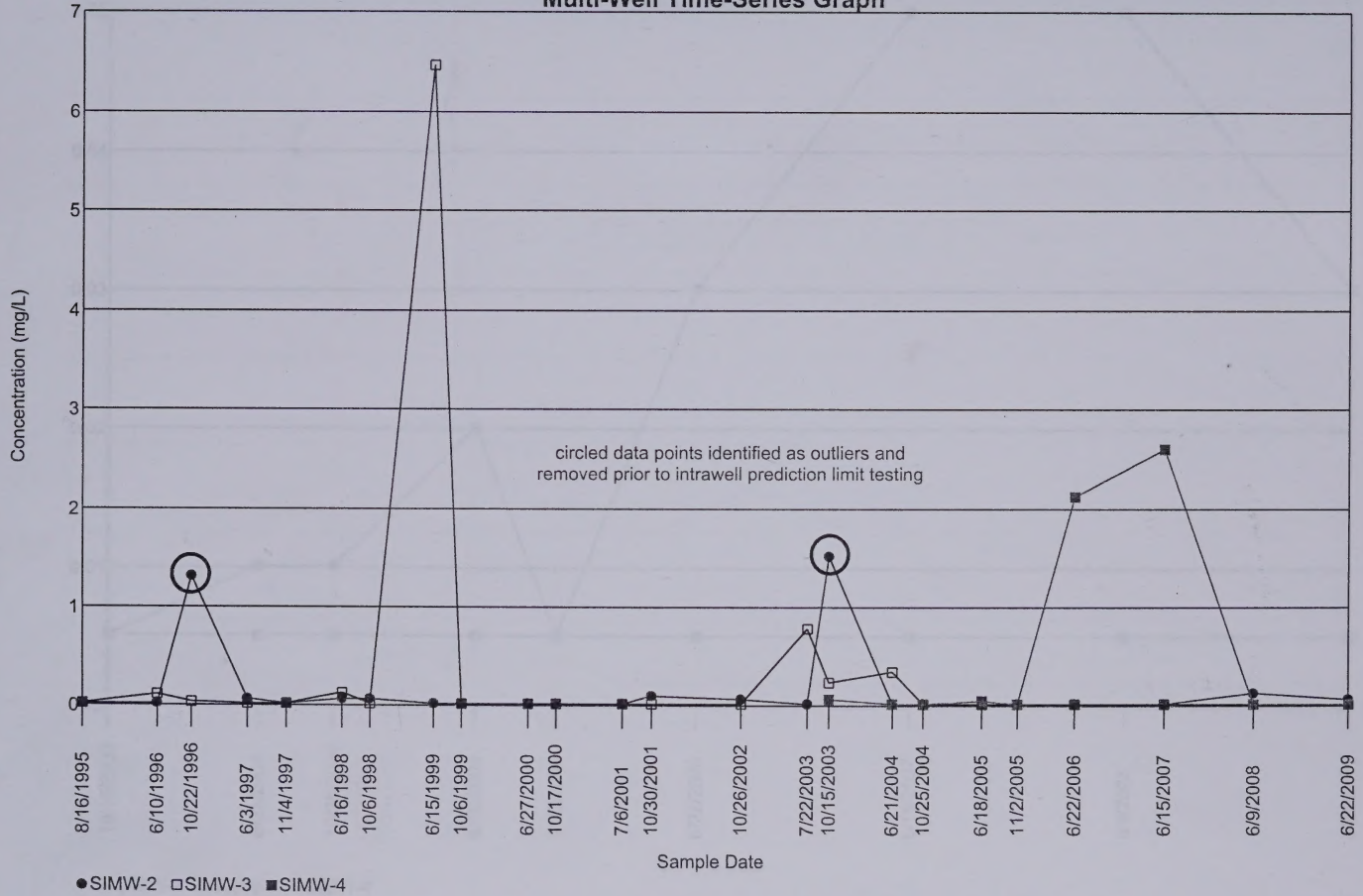
Oxygen Demand, Chemical (COD) Multi-Well Time-Series Graph



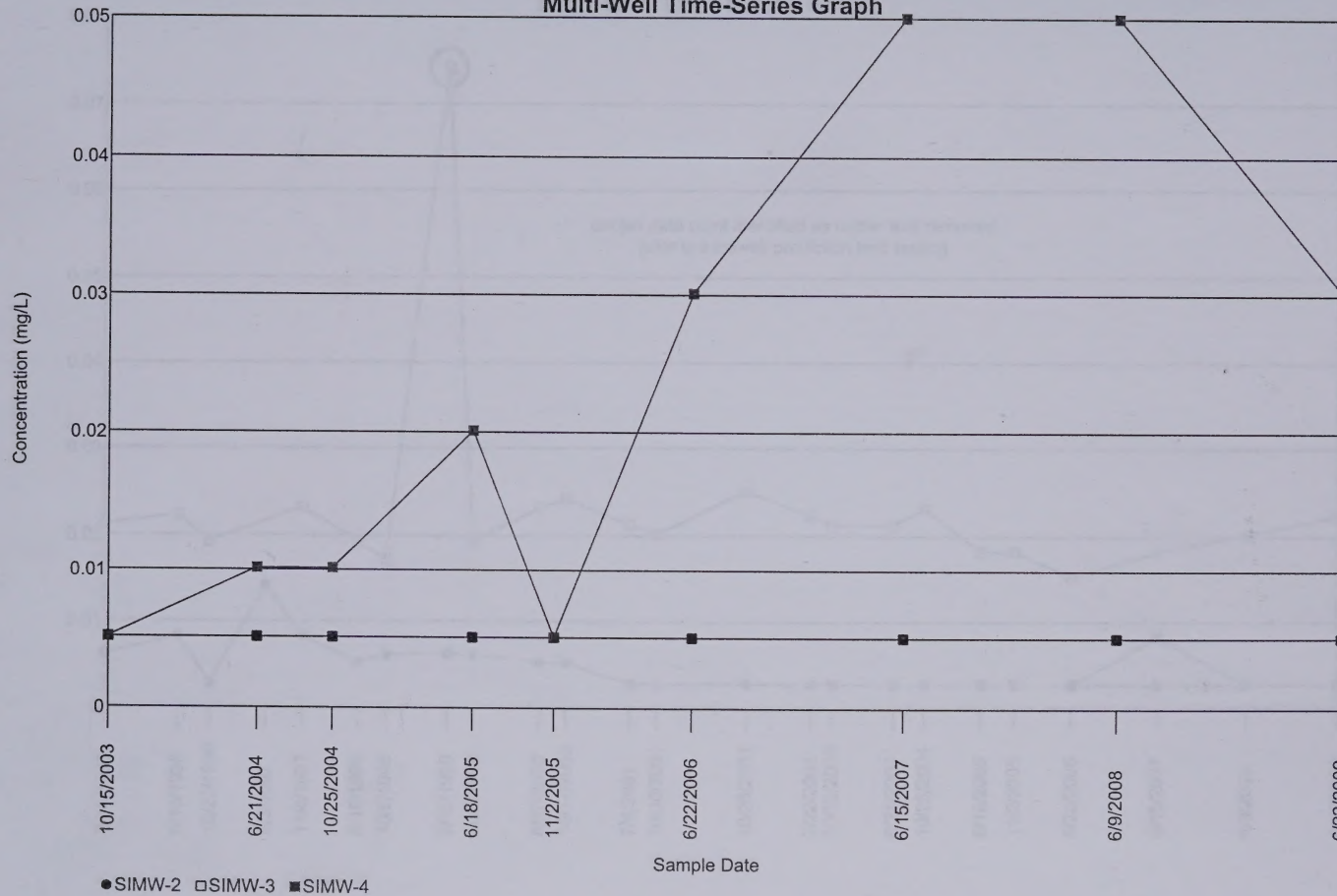
Nitrate + Nitrite as N Multi-Well Time-Series Graph



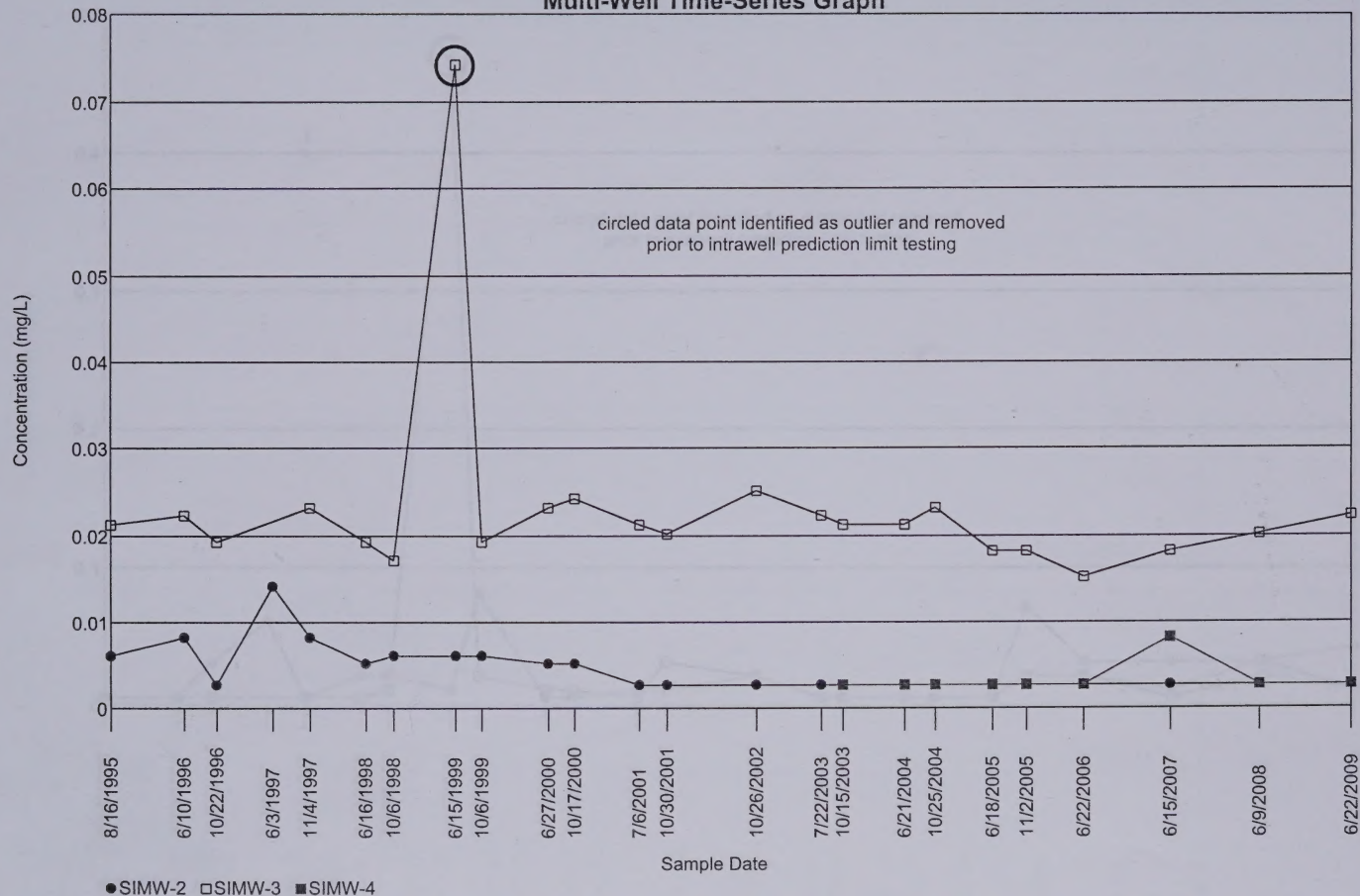
Iron (Fe) Multi-Well Time-Series Graph



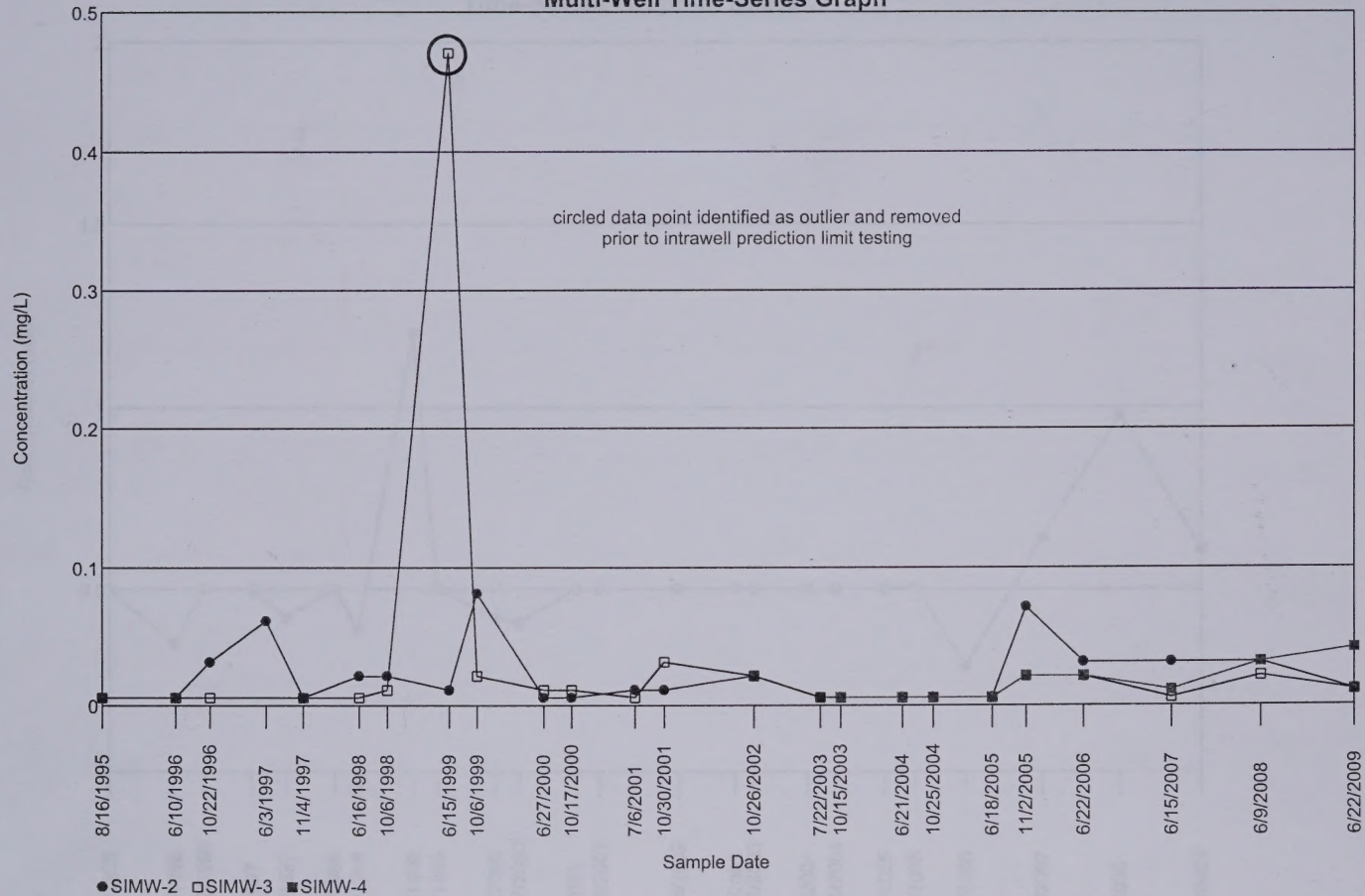
Nickel (Ni) Multi-Well Time-Series Graph



Selenium (Se) Multi-Well Time-Series Graph

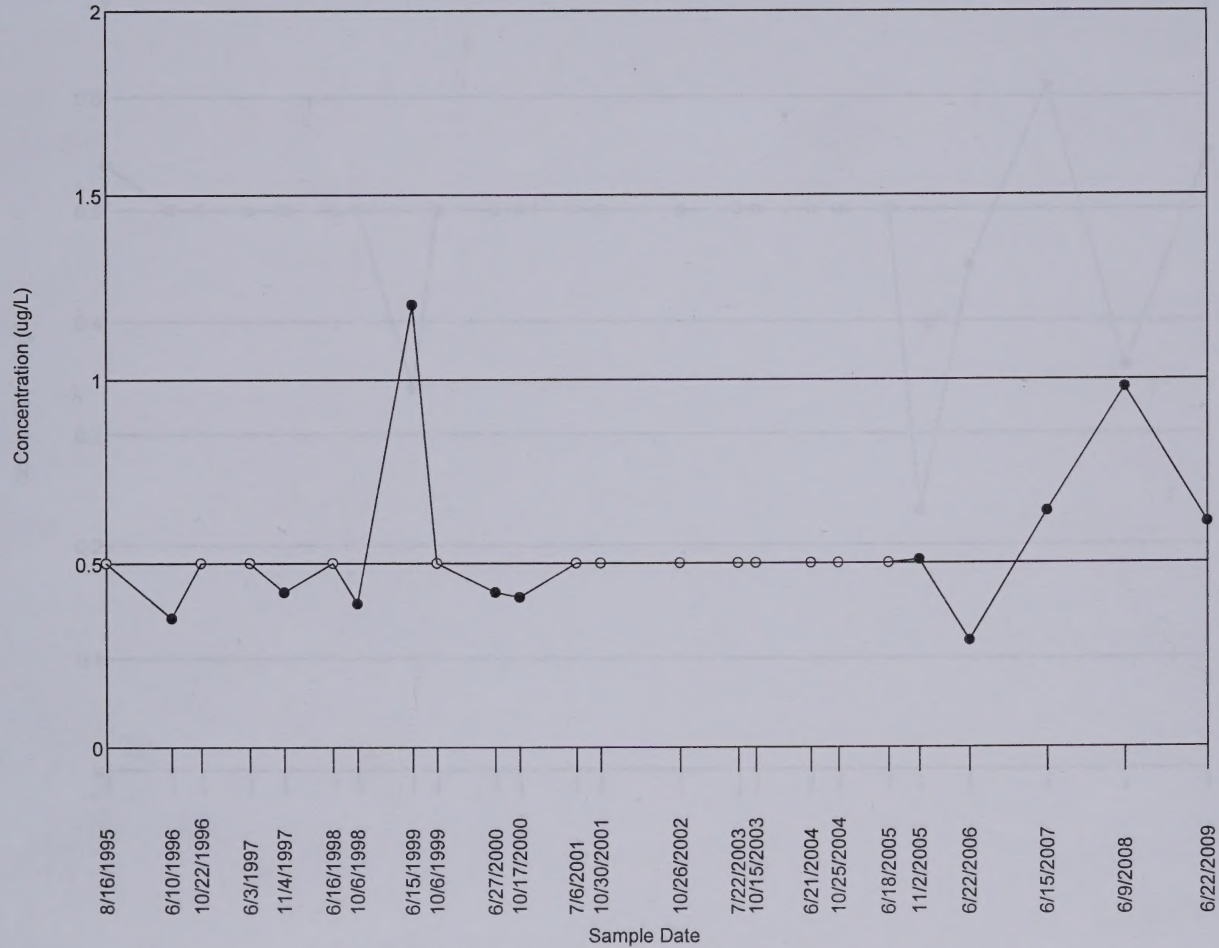


Zinc (Zn) Multi-Well Time-Series Graph

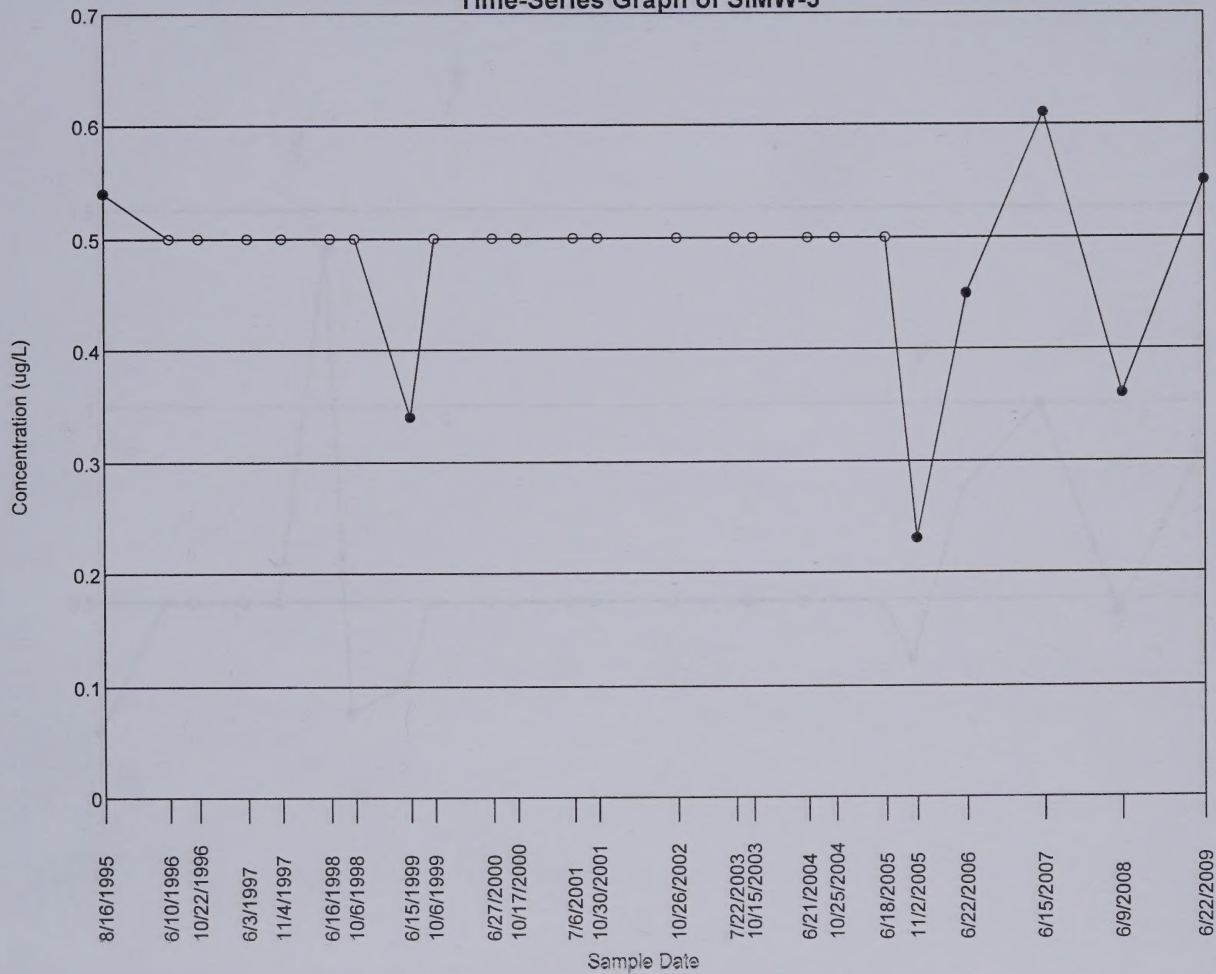


1,1,1-Trichloroethane

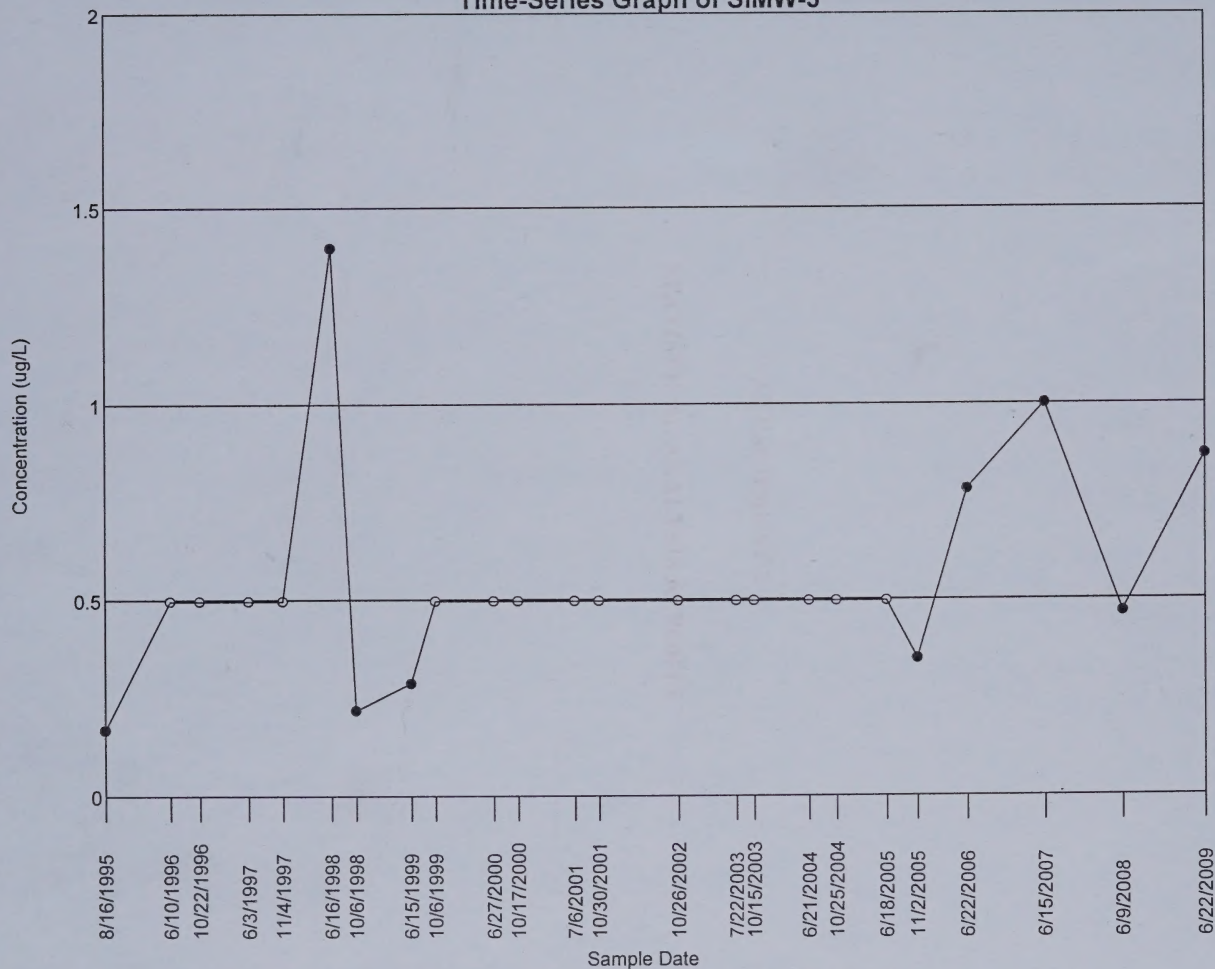
Time-Series Graph of SIMW-2



1,1,1-Trichloroethane Time-Series Graph of SIMW-3

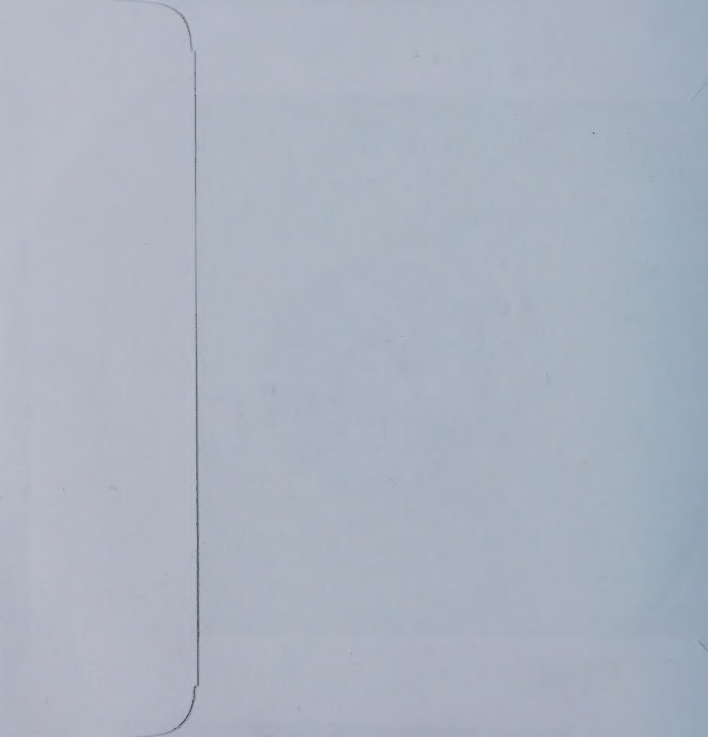


Trichlorofluoromethane Time-Series Graph of SIMW-3



ATTACHMENT 2

STATISTICAL ANALYSIS REPORTS



ATTACHMENT 3

FIELD FORMS AND LABORATORY REPORT

pH - SC - Temp.

Instrument Calibration Form

Meter Type: Hyd-D16 PCT/PH C (03-538)

Serial No: 02064455

Project Name: San Inc Lf

Date: 6-22-09

Personnel: B. D. M. M. M.

Weather: 60

PH CALIBRATION

Time	Buffer	Temperature	Reading
1400	4 7 10	16	7.11 → 7.00

Calibration Check:

STATISTICAL CALIBRATION

Time	Standard	Temperature	Reading	Cal Factor
1400	1413	16.1	1421	→ 1413

Notes:

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SANITATION INC LF11 Well: S1M4-2
Personnel: B. Damschen
Date: 6-22-09 Time: 1430
Conditions: windy-rainy
Static Water Level: 34.22 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>205 gdy</u>	<u>16.1</u>	<u>1305</u>	<u>6.95</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

(n)

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 9 sec depth: 40.8

Comments:

#2 = 49.76

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: Sanitation Inc Lfill Well: SMW4, 4D
Personnel: B. Damschen
Date: 6-22-09 Time: 1645
Conditions: clay - 605' wing
Static Water Level: 33.05 Total Depth Purged: _____
Purge Method: hand b.p. Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>8 gal</u>	<u>14.3</u>	<u>2250</u>	<u>6.78</u>
2.	<u>8 1/2</u>	<u>11.7</u>	<u>2290</u>	<u>6.77</u>
3.	<u>8 3/4</u>	<u>12.1</u>	<u>2300</u>	<u>6.80</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

Recovery (Inertial or bailer): 0.10 1150' 37.5'
h1 0 h2 _____ time _____ depth _____

Comments:

J.V.P. = 14

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SANITATION INC. LF-11 Well: SIMW-3
Personnel: Bry Damschen
Date: 6-22-09 Time: 1530
Conditions: 5m - 6m - 60s
Static Water Level: 30.01 Total Depth Purge: _____
Purge Method: hand h. L Volume Purge: _____

	Volume	Temperature	Conductivity	pH
1.	<u>2 gal day</u>	<u>14.8</u>	<u>996</u>	<u>7.03</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

Recovery (inertial or bailer):

h1 0 h2 0.10 time 65 sec depth 36.9

Comments:

Total Depth 37.1

#1 = 33.66

GROUNDWATER MONITORING VOLUMES

Project Location SAN Inc Landfill 11

Date Sampled 6-22-09

Well No.	Total Depth (Ft)	Depth to Water (Ft)	Difference (Ft)	1 Well Volume (Diff X .16)	3 Well Volume (X3)
#2					
Typical	40	33	7	1.12	3.36
This Period	40	34.2	5.8	.92	2.76
#3					
Typical	37.5	29	8.5	1.36	4.1
This Period	37.5	30.0	7.5	1.2	3.6
#4					
Typical	49.5	27	22.5	3.6	10.8
This Period	49.5	33.05	16.45	2.6	7.9
Typical					
This Period					
Typical					
This Period					

PLEASE PRINT- Provide as much information as possible.

Company Name: DANISCHEN CONSULTING		Project Name, PWS, Permit, Etc. Sanitation Inc Cont #11		Sample Origin State: MT		EPA/State Compliance: Yes ☒ No ☐	
Report Mail Address: 55314266 ROAD Hartford, CT 06102		Contact Name: Bryan Danische		Phone/Fax:		Email: B.Danische	
Invoice Address: Sanitation Inc Box 19331 Hartford, CT 06102		Invoice Contact & Phone: Bill Spiza 538-8767		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats – ELI must be notified prior to sample submittal for the following: ☐ DW ☐ GSA ☐ POTWWWT ☒ State: MT ☐ Other: DE ☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC		Number of Containers Sample Type: AW SVBO Air Water Solids/Solids Vegetation Bioassay Other 7 DESS 6 16 7 16 6 x only		ANALYSIS REQUESTED SEE ATTACHED Normal Turnaround (TAT)		R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments:	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX		Shipped by:	
1 SNW - 2		6-22-09	1430	7W	X	Cooler ID(s):	
2 SNW - 3			1530	7W	X	Receipt Temp _____ °C	
3 SNW - 4			1645	7W	X	On Ice: Yes No	
4 SNW - 4D			1645	7W	X	Custody Seal Y N	
5 TRIP Blank				1W	X	Bottles/Coolers B C	
6						Intact Y N	
7						Signature Match Y N	
8						LABORATORY USE ONLY	
9							
10							
Custody Record MUST be Signed		Relinquished by (print): Bryan Danische		Date/Time: 6-27-09	Signature: [Signature]	Received by (print): UPS	
		Relinquished by (print):		Date/Time:	Signature:	Date/Time: 06/24/09 16:50	
		Sample Disposal:		Return to Client:	Lab Disposal:	Received by Laboratory:	
						Date/Time:	
						Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ANALYTICAL SUMMARY REPORT

July 07, 2009

William Spoja

Sanitation Inc.

PO Box 882

Lewistown, MT 59457

Workorder No.: B09062525

Project Name: Sanitation Inc Landfill

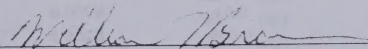
Energy Laboratories Inc received the following 5 samples for Sanitation Inc. on 6/25/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B09062525-001	SIMW-2	06/22/09 14:30	06/25/09	Aqueous	Metals by ICP/ICPMS, Dissolved Anions by ion chromatography Cyanide, Total Manual Distillation Total Cyanide Distillation Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
B09062525-002	SIMW-3	06/22/09 15:30	06/25/09	Aqueous	Same As Above
B09062525-003	SIMW-4	06/22/09 16:45	06/25/09	Aqueous	Same As Above
B09062525-004	SIMW-4D	06/22/09 16:45	06/25/09	Aqueous	Same As Above
B09062525-005	Trip Blank Lot# 041009, B- DM, SHP0243	06/22/09 14:30	06/25/09	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-001
Client Sample ID: SIMW-2

Report Date: 07/07/09
Collection Date: 06/22/09 14:30
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		A4500-H B	06/25/09 16:33 / kks
Conductivity	1370	umhos/cm		1		A2510 B	06/25/09 16:33 / kks
INORGANICS							
Chloride	58	mg/L		1		E300.0	06/27/09 05:28 / kh
Sulfate	224	mg/L		1		E300.0	06/27/09 05:28 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/29/09 12:35 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/29/09 09:35 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.75	mg/L		0.05		E353.2	06/26/09 15:58 / kak
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/27/09 23:42 / aje
Arsenic	ND	mg/L		0.005		E200.8	06/27/09 23:42 / aje
Barium	ND	mg/L		0.1		E200.7	06/26/09 14:24 / tao
Beryllium	ND	mg/L		0.001		E200.8	06/27/09 23:42 / aje
Cadmium	ND	mg/L		0.001		E200.8	06/27/09 23:42 / aje
Chromium	ND	mg/L		0.01		E200.7	06/26/09 14:24 / tao
Cobalt	ND	mg/L		0.01		E200.8	06/27/09 23:42 / aje
Copper	ND	mg/L		0.01		E200.8	06/27/09 23:42 / aje
Iron	0.06	mg/L		0.03		E200.7	06/26/09 14:24 / tao
Lead	ND	mg/L		0.01		E200.8	06/27/09 23:42 / aje
Mercury	ND	mg/L		0.001		E200.8	06/27/09 23:42 / aje
Nickel	ND	mg/L		0.01		E200.8	06/27/09 23:42 / aje
Selenium	ND	mg/L		0.005		E200.8	06/27/09 23:42 / aje
Silver	ND	mg/L		0.005		E200.8	06/29/09 22:33 / dck
Thallium	ND	mg/L		0.005		E200.8	06/27/09 23:42 / aje
Vanadium	ND	mg/L		0.1		E200.8	06/27/09 23:42 / aje
Zinc	0.01	mg/L		0.01		E200.8	06/27/09 23:42 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/01/09 20:58 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	07/01/09 20:58 / lem
Benzene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Bromoform	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-001
Client Sample ID: SIMW-2

Report Date: 07/07/09
Collection Date: 06/22/09 14:30
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Chloroform	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
2-Hexanone	ND	ug/L		20		SW8260B	07/01/09 20:58 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/01/09 20:58 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/01/09 20:58 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Styrene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Toluene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,1,1-Trichloroethane	0.61	ug/L	J	1.0		SW8260B	07/01/09 20:58 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/01/09 20:58 / lem
Surr: 1,2-Dichloroethane-d4	106	%REC		70-130		SW8260B	07/01/09 20:58 / lem

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

S - Spike recovery outside of advisory limits.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-001
Client Sample ID: SIMW-2

Report Date: 07/07/09
Collection Date: 06/22/09 14:30
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	129	%REC	S	77-126		SW8260B	07/01/09 20:58 / lem
Surr: p-Bromofluorobenzene	111	%REC		76-127		SW8260B	07/01/09 20:58 / lem
Surr: Toluene-d8	103	%REC		79-122		SW8260B	07/01/09 20:58 / lem

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-002
Client Sample ID: SIMW-3

Report Date: 07/07/09
Collection Date: 06/22/09 15:30
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500-H B	06/25/09 16:35 / kks
Conductivity	1130	umhos/cm		1		A2510 B	06/25/09 16:35 / kks
INORGANICS							
Chloride	32	mg/L		1		E300.0	06/27/09 05:39 / kh
Sulfate	179	mg/L		1		E300.0	06/27/09 05:39 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/29/09 12:37 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	06/29/09 09:35 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	11.5	mg/L		0.05		E353.2	06/26/09 16:05 / kak
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/27/09 23:49 / aje
Arsenic	ND	mg/L		0.005		E200.8	06/27/09 23:49 / aje
Barium	ND	mg/L		0.1		E200.7	06/26/09 14:28 / tao
Beryllium	ND	mg/L		0.001		E200.8	06/27/09 23:49 / aje
Cadmium	ND	mg/L		0.001		E200.8	06/27/09 23:49 / aje
Chromium	ND	mg/L		0.01		E200.7	06/26/09 14:28 / tao
Cobalt	ND	mg/L		0.01		E200.8	06/27/09 23:49 / aje
Copper	ND	mg/L		0.01		E200.7	06/26/09 14:28 / tao
Iron	ND	mg/L		0.03		E200.8	06/27/09 23:49 / aje
Lead	ND	mg/L		0.01		E200.8	06/27/09 23:49 / aje
Mercury	ND	mg/L		0.001		E200.8	06/27/09 23:49 / aje
Nickel	ND	mg/L		0.01		E200.8	06/27/09 23:49 / aje
Selenium	0.022	mg/L		0.005		E200.8	06/27/09 23:49 / aje
Silver	ND	mg/L		0.005		E200.8	06/29/09 22:39 / dck
Thallium	ND	mg/L		0.005		E200.8	06/27/09 23:49 / aje
Vanadium	ND	mg/L		0.1		E200.8	06/27/09 23:49 / aje
Zinc	0.01	mg/L		0.01		E200.8	06/27/09 23:49 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/01/09 21:25 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	07/01/09 21:25 / lem
Benzene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Bromoform	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-002
Client Sample ID: SIMW-3

Report Date: 07/07/09
Collection Date: 06/22/09 15:30
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Chloroform	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
2-Hexanone	ND	ug/L		20		SW8260B	07/01/09 21:25 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/01/09 21:25 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/01/09 21:25 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Styrene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Toluene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
1,1,1-Trichloroethane	0.55	ug/L	J	1.0		SW8260B	07/01/09 21:25 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Trichlorofluoromethane	0.87	ug/L	J	1.0		SW8260B	07/01/09 21:25 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/01/09 21:25 / lem
Surr: 1,2-Dichloroethane-d4	106	%REC		70-130		SW8260B	07/01/09 21:25 / lem

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-002
Client Sample ID: SIMW-3

Report Date: 07/07/09
Collection Date: 06/22/09 15:30
DateReceived: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	128	%REC	S	77-126		SW8260B	07/01/09 21:25 / lem
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	07/01/09 21:25 / lem
Surr: Toluene-d8	102	%REC		79-122		SW8260B	07/01/09 21:25 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-003
Client Sample ID: SIMW-4

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	06/25/09 16:37 / kks
Conductivity	2160	umhos/cm		1		A2510 B	06/25/09 16:37 / kks
INORGANICS							
Chloride	ND	mg/L		1		E300.0	06/27/09 05:51 / kh
Sulfate	237	mg/L		1		E300.0	06/27/09 05:51 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/29/09 12:39 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	65	mg/L		1		E410.4	06/29/09 09:35 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L		0.05		E353.2	06/26/09 16:06 / kak
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/27/09 23:56 / aje
Arsenic	ND	mg/L		0.005		E200.8	06/27/09 23:56 / aje
Barium	ND	mg/L		0.1		E200.7	06/26/09 14:31 / tao
Beryllium	ND	mg/L		0.001		E200.8	06/27/09 23:56 / aje
Cadmium	ND	mg/L		0.001		E200.8	06/27/09 23:56 / aje
Chromium	ND	mg/L		0.01		E200.8	06/27/09 23:56 / aje
Cobalt	ND	mg/L		0.01		E200.8	06/27/09 23:56 / aje
Copper	ND	mg/L		0.01		E200.8	06/27/09 23:56 / aje
Iron	ND	mg/L		0.03		E200.8	06/27/09 23:56 / aje
Lead	ND	mg/L		0.01		E200.8	06/27/09 23:56 / aje
Mercury	ND	mg/L		0.001		E200.8	06/27/09 23:56 / aje
Nickel	0.03	mg/L		0.01		E200.8	06/27/09 23:56 / aje
Selenium	ND	mg/L		0.005		E200.8	06/27/09 23:56 / aje
Silver	ND	mg/L		0.005		E200.8	06/29/09 22:46 / dck
Thallium	ND	mg/L		0.005		E200.8	06/27/09 23:56 / aje
Vanadium	ND	mg/L		0.1		E200.8	06/27/09 23:56 / aje
Zinc	0.03	mg/L		0.01		E200.8	06/27/09 23:56 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/01/09 21:52 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	07/01/09 21:52 / lem
Benzene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Bromoform	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-003
Client Sample ID: SIMW-4

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Chloroform	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
2-Hexanone	ND	ug/L		20		SW8260B	07/01/09 21:52 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/01/09 21:52 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/01/09 21:52 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Styrene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Toluene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
1,2,3-Trichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/01/09 21:52 / lem
Surr: 1,2-Dichloroethane-d4	105	%REC		70-130		SW8260B	07/01/09 21:52 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-003
Client Sample ID: SIMW-4

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
DateReceived: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	126	%REC		77-126		SW8260B	07/01/09 21:52 / lem
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	07/01/09 21:52 / lem
Surr: Toluene-d8	109	%REC		79-122		SW8260B	07/01/09 21:52 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-004
Client Sample ID: SIMW-4D

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	06/25/09 16:38 / kks
Conductivity	2400	umhos/cm		1		A2510 B	06/25/09 16:38 / kks
INORGANICS							
Chloride	ND	mg/L		1		E300.0	06/27/09 06:03 / kh
Sulfate	236	mg/L		1		E300.0	06/27/09 06:03 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/29/09 12:41 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	65	mg/L		1		E410.4	06/29/09 09:35 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L		0.05		E353.2	06/26/09 16:07 / kak
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/28/09 00:02 / aje
Arsenic	ND	mg/L		0.005		E200.8	06/28/09 00:02 / aje
Barium	ND	mg/L		0.1		E200.7	06/26/09 14:43 / tao
Beryllium	ND	mg/L		0.001		E200.8	06/28/09 00:02 / aje
Cadmium	ND	mg/L		0.001		E200.8	06/28/09 00:02 / aje
Chromium	ND	mg/L		0.01		E200.8	06/28/09 00:02 / aje
Cobalt	ND	mg/L		0.01		E200.8	06/28/09 00:02 / aje
Copper	ND	mg/L		0.01		E200.8	06/28/09 00:02 / aje
Iron	ND	mg/L		0.03		E200.7	06/26/09 14:43 / tao
Lead	ND	mg/L		0.01		E200.8	06/28/09 00:02 / aje
Mercury	ND	mg/L		0.001		E200.8	06/28/09 00:02 / aje
Nickel	0.03	mg/L		0.01		E200.8	06/28/09 00:02 / aje
Selenium	ND	mg/L		0.005		E200.8	06/28/09 00:02 / aje
Silver	ND	mg/L		0.005		E200.8	06/29/09 22:53 / dck
Thallium	ND	mg/L		0.005		E200.8	06/28/09 00:02 / aje
Vanadium	ND	mg/L		0.1		E200.8	06/28/09 00:02 / aje
Zinc	0.04	mg/L		0.01		E200.8	06/28/09 00:02 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/01/09 22:19 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	07/01/09 22:19 / lem
Benzene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Bromoform	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-004
Client Sample ID: SIMW-4D

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
Date Received: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Chloroform	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
2-Hexanone	ND	ug/L		20		SW8260B	07/01/09 22:19 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/01/09 22:19 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/01/09 22:19 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Styrene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Toluene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/01/09 22:19 / lem
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	07/01/09 22:19 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-004
Client Sample ID: SIMW-4D

Report Date: 07/07/09
Collection Date: 06/22/09 16:45
DateReceived: 06/25/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	128	%REC	S	77-126		SW8260B	07/01/09 22:19 / lem
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	07/01/09 22:19 / lem
Surr: Toluene-d8	108	%REC		79-122		SW8260B	07/01/09 22:19 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-005
Client Sample ID: Trip Blank Lot# 041009, B-DM, SHP0243

Report Date: 07/07/09
Collection Date: 06/22/09 14:30
Date Received: 06/25/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/01/09 15:32 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	07/01/09 15:32 / lem
Benzene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Bromoform	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Chloroform	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
2-Hexanone	ND	ug/L		20		SW8260B	07/01/09 15:32 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/01/09 15:32 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/01/09 15:32 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Styrene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Toluene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B09062525-005
Client Sample ID: Trip Blank Lot# 041009, B-DM, SHP0243

Report Date: 07/07/09
Collection Date: 06/22/09 14:30
Date Received: 06/25/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/01/09 15:32 / lem
Surr: 1,2-Dichloroethane-d4	108	%REC		70-130		SW8260B	07/01/09 15:32 / lem
Surr: Dibromofluoromethane	128	%REC	S	77-126		SW8260B	07/01/09 15:32 / lem
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	07/01/09 15:32 / lem
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	07/01/09 15:32 / lem

Report
Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: R131753
Sample ID: SC 150	Laboratory Control Sample				Run: PHSC _101-B_090625A				06/25/09 08:34
Conductivity	135	umhos/cm	1.0	90	90	110			
Sample ID: SC 5000	Laboratory Control Sample				Run: PHSC _101-B_090625A				06/25/09 08:36
Conductivity	4920	umhos/cm	1.0	98	90	110			
Sample ID: SC 20000	Laboratory Control Sample				Run: PHSC _101-B_090625A				06/25/09 08:37
Conductivity	19500	umhos/cm	1.0	98	90	110			
Sample ID: B09062529-005ADUP	Sample Duplicate				Run: PHSC _101-B_090625A				06/25/09 16:50
Conductivity	8470	umhos/cm	1.0				0.4	10	
Method: A4500-H B									Batch: R131753
Sample ID: pH 4	Laboratory Control Sample				Run: PHSC _101-B_090625A				06/25/09 08:30
pH	4.06	s.u.	0.10	101	97	103			
Sample ID: pH 7	Laboratory Control Sample				Run: PHSC _101-B_090625A				06/25/09 08:31
pH	7.05	s.u.	0.10	101	98	102			
Sample ID: B09062529-005ADUP	Sample Duplicate				Run: PHSC _101-B_090625A				06/25/09 16:50
pH	7.22	s.u.	0.10				0.3	10	

Qualifiers:

RL - Analyte reporting limit

ND - Not detected at the reporting limit

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0	Analytical Run: IC202-B_090626A								
Sample ID: ICV062609-11	Initial Calibration Verification Standard								06/26/09 13:58
Chloride	24.5	mg/L	1.0	98	90	110			
Sulfate	103	mg/L	1.0	103	90	110			
Method: E300.0	Batch: R131925								
Sample ID: ICB062609-12	Method Blank								06/26/09 14:10
Chloride	ND	mg/L	0.03						
Sulfate	ND	mg/L	0.06						
Sample ID: LFB062609-13	Laboratory Fortified Blank								06/26/09 14:21
Chloride	24.7	mg/L	1.0	99	90	110			
Sulfate	106	mg/L	1.0	106	90	110			
Sample ID: B09062523-002AMS	Sample Matrix Spike								06/27/09 04:41
Chloride	26.5	mg/L	1.0	102	90	110			
Sulfate	490	mg/L	1.0	102	90	110			
Sample ID: B09062523-002AMSD	Sample Matrix Spike Duplicate								06/27/09 04:53
Chloride	26.5	mg/L	1.0	102	90	110	0.1	20	
Sulfate	490	mg/L	1.0	103	90	110	0.1	20	
Sample ID: B09062529-004AMS	Sample Matrix Spike								06/27/09 07:24
Chloride	521	mg/L	1.0	100	90	110			
Sulfate	5230	mg/L	1.2	106	90	110			
Sample ID: B09062529-004AMSD	Sample Matrix Spike Duplicate								06/27/09 07:36
Chloride	522	mg/L	1.0	100	90	110	0.3	20	
Sulfate	5100	mg/L	1.2	99	90	110	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Analytical Run: FIA203-B_090626A		
Sample ID: ICV	Initial Calibration Verification Standard								06/26/09 10:03
Nitrogen, Nitrate+Nitrite as N	37.8	mg/L	0.050	107	90	110			
Method: E353.2							Batch: R131852		
Sample ID: MBLK	Method Blank				Run: FIA203-B_090626A				06/26/09 10:04
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_090626A				06/26/09 10:05
Nitrogen, Nitrate+Nitrite as N	1.04	mg/L	0.050	106	90	110			
Sample ID: B09062655-002AMS	Sample Matrix Spike				Run: FIA203-B_090626A				06/26/09 15:46
Nitrogen, Nitrate+Nitrite as N	1.16	mg/L	0.050	102	90	110			
Sample ID: B09062655-002AMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_090626A				06/26/09 15:47
Nitrogen, Nitrate+Nitrite as N	1.17	mg/L	0.050	103	90	110	0.9	10	
Sample ID: B09062533-001CMS	Sample Matrix Spike				Run: FIA203-B_090626A				06/26/09 16:03
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.050	103	90	110			
Sample ID: B09062533-001CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_090626A				06/26/09 16:04
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.050	103	90	110	0.2	10	
Method: E410.4							Batch: R131987		
Sample ID: MB-R131987	Method Blank				Run: SPEC_090629A				06/29/09 09:35
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R131987	Laboratory Control Sample				Run: SPEC_090629A				06/29/09 09:35
Oxygen Demand, Chemical (COD)	116	mg/L	1.0	100	90	110			
Sample ID: B09062525-004CMS	Sample Matrix Spike				Run: SPEC_090629A				06/29/09 09:35
Oxygen Demand, Chemical (COD)	88.4	mg/L	1.0	96	90	110			
Sample ID: B09062525-004CMSD	Sample Matrix Spike Duplicate				Run: SPEC_090629A				06/29/09 09:35
Oxygen Demand, Chemical (COD)	89.6	mg/L	1.0	101	90	110	1.3	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_090629A				06/29/09 09:35
Oxygen Demand, Chemical (COD)	26.0	mg/L	1.0	107	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod		Analytical Run: AUTOAN201-B_090629A							
Sample ID: ICV-1		Initial Calibration Verification Standard							
Cyanide, Total	0.149	mg/L	0.0050	99	90	110			06/29/09 10:13
Method: Kelada mod		Batch: R131977							
Sample ID: LFB-2		Laboratory Fortified Blank		Run: AUTOAN201-B_090629A					
Cyanide, Total	0.108	mg/L	0.0050	108	90	110			06/29/09 10:14
Sample ID: MBLK-3		Method Blank		Run: AUTOAN201-B_090629A					
Cyanide, Total	ND	mg/L	0.003						06/29/09 10:16
Sample ID: B09062523-001EMS		Sample Matrix Spike		Run: AUTOAN201-B_090629A					
Cyanide, Total	0.159	mg/L	0.0050	112	90	110			06/29/09 12:24 S
Sample ID: B09062523-001EMSD		Sample Matrix Spike Duplicate		Run: AUTOAN201-B_090629A					
Cyanide, Total	0.164	mg/L	0.0050	118	90	110	3.5	10	06/29/09 12:26 S
Sample ID: B09062529-002DMS		Sample Matrix Spike		Run: AUTOAN201-B_090629A					
Cyanide, Total	0.115	mg/L	0.0050	115	90	110			06/29/09 12:56 S
Sample ID: B09062529-002DMSD		Sample Matrix Spike Duplicate		Run: AUTOAN201-B_090629A					
Cyanide, Total	0.110	mg/L	0.0050	110	90	110	4.2	10	06/29/09 12:57

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/01/09

Project: Sanitation Inc Landfill

Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Analytical Run: ICP201-B_090626A		
Sample ID: ICV	Continuing Calibration Verification Standard								06/26/09 12:16
Barium	2.51	mg/L	0.10	100	95	105			
Chromium	2.47	mg/L	0.050	99	95	105			
Copper	2.42	mg/L	0.010	97	95	105			
Iron	2.47	mg/L	0.030	99	95	105			
Method: E200.7							Batch R131937		
Sample ID: MB-TJADIS090626A	Method Blank		Run: ICP201-B_090626A				06/26/09 11:38		
Barium	ND	mg/L	0.0006						
Chromium	ND	mg/L	0.005						
Copper	ND	mg/L	0.005						
Iron	0.007	mg/L	0.003						
Sample ID: LFB-TJADIS090626A	Laboratory Fortified Blank		Run: ICP201-B_090626A				06/26/09 11:42		
Barium	1.03	mg/L	0.10	103	85	115			
Chromium	0.969	mg/L	0.050	97	85	115			
Copper	0.970	mg/L	0.010	97	85	115			
Iron	4.88	mg/L	0.030	97	85	115			
Sample ID: B09062525-004BMS2	Sample Matrix Spike		Run: ICP201-B_090626A				06/26/09 14:47		
Barium	5.54	mg/L	0.10	110	70	130			
Chromium	4.88	mg/L	0.026	98	70	130			
Copper	5.08	mg/L	0.026	102	70	130			
Iron	24.8	mg/L	0.030	99	70	130			
Sample ID: B09062525-004BMSD2	Sample Matrix Spike Duplicate		Run: ICP201-B_090626A				06/26/09 14:51		
Barium	5.47	mg/L	0.10	109	70	130	1.3	20	
Chromium	4.76	mg/L	0.026	95	70	130	2.5	20	
Copper	5.10	mg/L	0.026	102	70	130	0.4	20	
Iron	24.3	mg/L	0.030	97	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: E200.8 Analytical Run: ICPMS203-B_090626A

Sample ID: QCS-090602A,090401E,0 Initial Calibration Verification Standard 06/27/09 15:08

Antimony	0.0456	mg/L	0.050	91	90	110			
Arsenic	0.0495	mg/L	0.0050	99	90	110			
Beryllium	0.0248	mg/L	0.0010	99	90	110			
Cadmium	0.0256	mg/L	0.0010	102	90	110			
Chromium	0.0494	mg/L	0.010	99	90	110			
Cobalt	0.0500	mg/L	0.010	100	90	110			
Copper	0.0501	mg/L	0.010	100	90	110			
Iron	0.266	mg/L	0.030	104	90	110			
Lead	0.0499	mg/L	0.010	100	90	110			
Mercury	0.00193	mg/L	0.0010	97	90	110			
Nickel	0.0502	mg/L	0.010	100	90	110			
Selenium	0.0498	mg/L	0.0050	100	90	110			
Thallium	0.0506	mg/L	0.10	101	90	110			
Vanadium	0.0490	mg/L	0.10	98	90	110			
Zinc	0.0504	mg/L	0.010	101	90	110			

Method: E200.8 Batch: R131959

Sample ID: LRB Method Blank Run: ICPMS203-B_090626A 06/26/09 14:54

Antimony	ND	mg/L	1E-05						
Arsenic	ND	mg/L	2E-05						
Beryllium	ND	mg/L	6E-06						
Cadmium	ND	mg/L	4E-06						
Chromium	ND	mg/L	2E-05						
Cobalt	ND	mg/L	7E-06						
Copper	ND	mg/L	3E-05						
Iron	0.0004	mg/L	9E-05						
Lead	ND	mg/L	3E-06						
Mercury	ND	mg/L	1E-05						
Nickel	ND	mg/L	5E-05						
Selenium	ND	mg/L	4E-05						
Thallium	ND	mg/L	8E-06						
Vanadium	ND	mg/L	1E-05						
Zinc	ND	mg/L	0.0001						

Sample ID: LFB Laboratory Fortified Blank Run: ICPMS203-B_090626A 06/26/09 15:00

Antimony	0.0492	mg/L	0.050	98	85	115			
Arsenic	0.0481	mg/L	0.0050	96	85	115			
Beryllium	0.0482	mg/L	0.0010	96	85	115			
Cadmium	0.0489	mg/L	0.0010	98	85	115			
Chromium	0.0479	mg/L	0.010	96	85	115			
Cobalt	0.0495	mg/L	0.010	99	85	115			
Copper	0.0470	mg/L	0.010	94	85	115			
Iron	5.06	mg/L	0.030	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/01/09

Project: Sanitation Inc Landfill

Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R131959		
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_090626A			06/26/09 15:00	
Lead	0.0491	mg/L	0.010	98	85	115			
Mercury	0.00104	mg/L	0.0010	104	85	115			
Nickel	0.0474	mg/L	0.010	95	85	115			
Selenium	0.0495	mg/L	0.0050	99	85	115			
Thallium	0.0493	mg/L	0.10	99	85	115			
Vanadium	0.0488	mg/L	0.10	98	85	115			
Zinc	0.0495	mg/L	0.010	99	85	115			
Sample ID: B09062522-003BMS	Sample Matrix Spike				Run: ICPMS203-B_090626A			06/27/09 22:40	
Antimony	0.0495	mg/L	0.0050	99	70	130			
Arsenic	0.0505	mg/L	0.0050	98	70	130			
Beryllium	0.0459	mg/L	0.0010	92	70	130			
Cadmium	0.0476	mg/L	0.0010	95	70	130			
Chromium	0.0485	mg/L	0.010	97	70	130			
Cobalt	0.0494	mg/L	0.010	94	70	130			
Copper	0.0483	mg/L	0.010	95	70	130			
Iron	5.81	mg/L	0.030	98	70	130			
Lead	0.0492	mg/L	0.010	98	70	130			
Mercury	0.000980	mg/L	0.0010	95	70	130			
Nickel	0.0494	mg/L	0.010	94	70	130			
Selenium	0.0549	mg/L	0.0050	98	70	130			
Thallium	0.0493	mg/L	0.0050	98	70	130			
Vanadium	0.0486	mg/L	0.10	97	70	130			
Zinc	0.0583	mg/L	0.010	97	70	130			
Sample ID: B09062522-003BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_090626A			06/27/09 22:47	
Antimony	0.0508	mg/L	0.0050	102	70	130	2.6	20	
Arsenic	0.0501	mg/L	0.0050	97	70	130	0.8	20	
Beryllium	0.0469	mg/L	0.0010	94	70	130	2.2	20	
Cadmium	0.0483	mg/L	0.0010	97	70	130	1.4	20	
Chromium	0.0481	mg/L	0.010	96	70	130	0.8	20	
Cobalt	0.0498	mg/L	0.010	95	70	130	0.9	20	
Copper	0.0486	mg/L	0.010	95	70	130	0.6	20	
Iron	5.83	mg/L	0.030	99	70	130	0.4	20	
Lead	0.0499	mg/L	0.010	100	70	130	1.4	20	
Mercury	0.000995	mg/L	0.0010	97	70	130		20	
Nickel	0.0499	mg/L	0.010	95	70	130	1	20	
Selenium	0.0538	mg/L	0.0050	96	70	130	2	20	
Thallium	0.0499	mg/L	0.0050	100	70	130	1.2	20	
Vanadium	0.0486	mg/L	0.10	97	70	130		20	
Zinc	0.0563	mg/L	0.010	93	70	130	3.5	20	
Sample ID: B09062529-004BMS	Sample Matrix Spike				Run: ICPMS203-B_090626A			06/28/09 01:04	
Antimony	0.246	mg/L	0.0050	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc LandfillReport Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: E200.8

Batch: R131959

Sample ID: B09062529-004BMS	Sample Matrix Spike	Run: ICPMS203-B_090626A	06/28/09 01:04
Arsenic	0.235 mg/L	0.0050 94 70 130	
Beryllium	0.221 mg/L	0.0010 88 70 130	
Cadmium	0.232 mg/L	0.0010 93 70 130	
Chromium	0.234 mg/L	0.010 94 70 130	
Cobalt	0.234 mg/L	0.010 93 70 130	
Copper	0.235 mg/L	0.010 94 70 130	
Iron	25.7 mg/L	0.030 98 70 130	
Lead	0.248 mg/L	0.010 99 70 130	
Mercury	0.00455 mg/L	0.0010 89 70 130	
Nickel	0.234 mg/L	0.010 92 70 130	
Selenium	0.232 mg/L	0.0050 93 70 130	
Thallium	0.246 mg/L	0.0050 98 70 130	
Vanadium	0.236 mg/L	0.10 95 70 130	
Zinc	0.270 mg/L	0.010 93 70 130	

Sample ID: B09062529-004BMSD	Sample Matrix Spike Duplicate	Run: ICPMS203-B_090626A	06/28/09 01:11
Antimony	0.253 mg/L	0.0050 101 70 130 2.5 20	
Arsenic	0.239 mg/L	0.0050 96 70 130 1.7 20	
Beryllium	0.229 mg/L	0.0010 92 70 130 3.8 20	
Cadmium	0.237 mg/L	0.0010 95 70 130 1.8 20	
Chromium	0.237 mg/L	0.010 95 70 130 1.5 20	
Cobalt	0.239 mg/L	0.010 95 70 130 1.8 20	
Copper	0.240 mg/L	0.010 96 70 130 2 20	
Iron	26.0 mg/L	0.030 99 70 130 0.9 20	
Lead	0.250 mg/L	0.010 100 70 130 1 20	
Mercury	0.00485 mg/L	0.0010 96 70 130 6.4 20	
Nickel	0.237 mg/L	0.010 93 70 130 1.4 20	
Selenium	0.241 mg/L	0.0050 96 70 130 3.9 20	
Thallium	0.248 mg/L	0.0050 99 70 130 0.9 20	
Vanadium	0.240 mg/L	0.10 96 70 130 1.6 20	
Zinc	0.271 mg/L	0.010 93 70 130 0.6 20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/01/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: ICPMS203-B_090629A		
Sample ID: QCS-090602A,090401E,0	Initial Calibration Verification Standard								06/29/09 11:01
Silver	0.0262	mg/L	0.0050	105	90	110			
Method: E200.8							Batch: R132024		
Sample ID: LRB	Method Blank				Run: ICPMS203-B_090629A		06/29/09 13:19		
Silver	2E-05	mg/L	9E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_090629A		06/29/09 13:26		
Silver	0.0191	mg/L	0.0050	96	85	115			
Sample ID: B09062182-001BMS	Sample Matrix Spike				Run: ICPMS203-B_090629A		06/29/09 17:05		
Silver	0.0169	mg/L	0.0050	84	70	130			
Sample ID: B09062182-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_090629A		06/29/09 17:12		
Silver	0.0158	mg/L	0.0050	79	70	130	6.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/09

Project: Sanitation Inc Landfill

Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R132181
Sample ID: Ics070109	Laboratory Control Sample				Run: SV5972.1_090701A				07/01/09 12:50
Acetone	40.0	ug/L	20	80	62	130			
Acrylonitrile	52.8	ug/L	20	106	60	130			
Benzene	5.00	ug/L	1.0	100	71	133			
Bromochloromethane	6.36	ug/L	1.0	127	68	131			
Bromodichloromethane	5.04	ug/L	1.0	101	67	138			
Bromoform	5.44	ug/L	1.0	109	64	136			
Bromomethane	5.32	ug/L	1.0	106	60	138			
Carbon disulfide	5.28	ug/L	1.0	106	46	145			
Carbon tetrachloride	5.20	ug/L	1.0	104	61	144			
Chlorobenzene	5.12	ug/L	1.0	102	78	136			
Chlorodibromomethane	5.24	ug/L	1.0	105	72	136			
Chloroethane	5.44	ug/L	1.0	109	64	136			
Chloroform	5.28	ug/L	1.0	106	69	133			
Chloromethane	5.88	ug/L	1.0	118	63	149			
1,2-Dibromo-3-chloropropane	4.84	ug/L	1.0	97	63	125			
1,2-Dibromoethane	5.08	ug/L	1.0	102	75	131			
Dibromomethane	5.00	ug/L	1.0	100	72	133			
1,2-Dichlorobenzene	5.20	ug/L	1.0	104	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131			
trans-1,4-Dichloro-2-butene	5.52	ug/L	1.0	110	50	142			
Dichlorodifluoromethane	5.76	ug/L	1.0	115	55	141			
1,1-Dichloroethane	5.20	ug/L	1.0	104	72	130			
1,2-Dichloroethane	4.88	ug/L	1.0	98	57	146			
1,1-Dichloroethene	5.40	ug/L	1.0	108	66	142			
cis-1,2-Dichloroethene	5.08	ug/L	1.0	102	74	133			
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138			
1,2-Dichloropropane	4.88	ug/L	1.0	98	72	135			
cis-1,3-Dichloropropene	5.08	ug/L	1.0	102	75	132			
trans-1,3-Dichloropropene	5.28	ug/L	1.0	106	77	145			
Ethylbenzene	5.24	ug/L	1.0	105	78	131			
2-Hexanone	46.0	ug/L	20	92	72	131			
Iodomethane	5.40	ug/L	1.0	108	66	132			
Methyl ethyl ketone	45.6	ug/L	20	91	55	145			
Methyl isobutyl ketone	47.2	ug/L	20	94	73	129			
Methylene chloride	4.96	ug/L	1.0	99	73	126			
Styrene	5.16	ug/L	1.0	103	76	134			
1,1,1,2-Tetrachloroethane	5.00	ug/L	1.0	100	75	135			
1,1,2,2-Tetrachloroethane	5.04	ug/L	1.0	101	72	132			
Tetrachloroethene	5.48	ug/L	1.0	110	78	137			
Toluene	5.08	ug/L	1.0	102	78	134			
1,1,1-Trichloroethane	5.76	ug/L	1.0	115	64	141			
1,1,2-Trichloroethane	5.00	ug/L	1.0	100	72	133			
Trichloroethene	5.08	ug/L	1.0	102	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/02/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R132181		
Sample ID: Ics070109	Laboratory Control Sample				Run: SV5972.I_090701A		07/01/09 12:50		
Trichlorofluoromethane	5.72	ug/L	1.0	114	58	139			
1,2,3-Trichloropropane	4.24	ug/L	1.0	85	67	133			
Vinyl acetate	3.94	ug/L	1.0	79	31	124			
Vinyl chloride	5.72	ug/L	1.0	114	66	140			
m+p-Xylenes	10.6	ug/L	1.0	106	78	133			
o-Xylene	5.28	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	105	70	130			
Surr: Dibromofluoromethane			1.0	124	77	126			
Surr: p-Bromofluorobenzene			1.0	111	76	127			
Surr: Toluene-d8			1.0	109	79	122			
Sample ID: blk070109	Method Blank				Run: SV5972.I_090701A		07/01/09 14:11		
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	0.50						
Bromochloromethane	ND	ug/L	0.50						
Bromodichloromethane	ND	ug/L	0.50						
Bromoform	ND	ug/L	0.50						
Bromomethane	ND	ug/L	0.50						
Carbon disulfide	ND	ug/L	0.50						
Carbon tetrachloride	ND	ug/L	0.50						
Chlorobenzene	ND	ug/L	0.50						
Chlorodibromomethane	ND	ug/L	0.50						
Chloroethane	ND	ug/L	0.50						
Chloroform	ND	ug/L	0.50						
Chloromethane	ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane	ND	ug/L	0.50						
1,2-Dibromoethane	ND	ug/L	0.50						
Dibromomethane	ND	ug/L	0.50						
1,2-Dichlorobenzene	ND	ug/L	0.50						
1,4-Dichlorobenzene	ND	ug/L	0.50						
trans-1,4-Dichloro-2-butene	ND	ug/L	0.50						
Dichlorodifluoromethane	ND	ug/L	0.50						
1,1-Dichloroethane	ND	ug/L	0.50						
1,2-Dichloroethane	ND	ug/L	0.50						
1,1-Dichloroethene	ND	ug/L	0.50						
cis-1,2-Dichloroethene	ND	ug/L	0.50						
trans-1,2-Dichloroethene	ND	ug/L	0.50						
1,2-Dichloropropane	ND	ug/L	0.50						
cis-1,3-Dichloropropene	ND	ug/L	0.50						
trans-1,3-Dichloropropene	ND	ug/L	0.50						
Ethylbenzene	ND	ug/L	0.50						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/02/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R132181		
Sample ID: blk070109	Method Blank		Run: SV5972.I_090701A				07/01/09 14:11		
Iodomethane	ND	ug/L	0.50						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	0.50						
Styrene	ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Tetrachloroethene	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
Vinyl acetate	ND	ug/L	0.50						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: 1,2-Dichloroethane-d4			0.50	104	70	130			
Surr: Dibromofluoromethane			0.50	128	77	126			S
Surr: p-Bromofluorobenzene			0.50	110	76	127			
Surr: Toluene-d8			0.50	109	79	122			
Sample ID: B09062048-005Gms	Sample Matrix Spike		Run: SV5972.I_090701A				07/01/09 22:46		
Acetone	48.4	ug/L	20	97	62	130			
Acrylonitrile	47.6	ug/L	20	95	60	130			
Benzene	4.88	ug/L	1.0	98	71	133			
Bromochloromethane	6.12	ug/L	1.0	122	68	131			
Bromodichloromethane	4.76	ug/L	1.0	95	67	138			
Bromoform	4.76	ug/L	1.0	95	64	136			
Bromomethane	4.32	ug/L	1.0	86	60	138			
Carbon disulfide	5.32	ug/L	1.0	106	46	145			
Carbon tetrachloride	5.24	ug/L	1.0	105	61	144			
Chlorobenzene	4.92	ug/L	1.0	98	78	136			
Chlorodibromomethane	4.96	ug/L	1.0	99	72	136			
Chloroethane	5.28	ug/L	1.0	106	64	136			
Chloroform	5.08	ug/L	1.0	102	69	133			
Chloromethane	5.32	ug/L	1.0	106	63	149			
1,2-Dibromo-3-chloropropane	4.60	ug/L	1.0	92	63	125			
1,2-Dibromoethane	4.84	ug/L	1.0	97	75	131			
Dibromomethane	4.72	ug/L	1.0	94	72	133			
1,2-Dichlorobenzene	4.80	ug/L	1.0	96	78	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/09

Project: Sanitation Inc Landfill

Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									
Batch: R132181									
Sample ID: B09062048-005Gms	Sample Matrix Spike		Run: SV5972.I_090701A				07/01/09 22:46		
1,4-Dichlorobenzene	5.00	ug/L	1.0	100	78	131			
trans-1,4-Dichloro-2-butene	3.61	ug/L	1.0	72	50	142			
Dichlorodifluoromethane	5.28	ug/L	1.0	106	55	141			
1,1-Dichloroethane	5.16	ug/L	1.0	103	72	130			
1,2-Dichloroethane	4.64	ug/L	1.0	93	57	146			
1,1-Dichloroethene	5.04	ug/L	1.0	101	66	142			
cis-1,2-Dichloroethene	5.20	ug/L	1.0	97	74	133			
trans-1,2-Dichloroethene	5.04	ug/L	1.0	101	76	138			
1,2-Dichloropropane	4.60	ug/L	1.0	92	72	135			
cis-1,3-Dichloropropene	4.68	ug/L	1.0	94	75	132			
trans-1,3-Dichloropropene	4.72	ug/L	1.0	94	77	145			
Ethylbenzene	4.92	ug/L	1.0	98	78	131			
2-Hexanone	47.6	ug/L	20	95	72	131			
Iodomethane	5.56	ug/L	1.0	111	66	132			
Methyl ethyl ketone	53.2	ug/L	20	106	55	145			
Methyl isobutyl ketone	46.8	ug/L	20	94	73	129			
Methylene chloride	4.88	ug/L	1.0	98	73	126			
Styrene	2.95	ug/L	1.0	59	76	134			S
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	98	75	135			
1,1,2,2-Tetrachloroethane	4.68	ug/L	1.0	94	72	132			
Toluene	4.76	ug/L	1.0	95	78	134			
1,1,1-Trichloroethane	5.88	ug/L	1.0	118	64	141			
1,1,2-Trichloroethane	4.72	ug/L	1.0	94	72	133			
Trichloroethene	6.12	ug/L	1.0	99	75	138			
Trichlorofluoromethane	5.40	ug/L	1.0	108	58	139			
1,2,3-Trichloropropane	4.44	ug/L	1.0	89	67	133			
Vinyl acetate	3.43	ug/L	1.0	69	31	124			
Vinyl chloride	5.40	ug/L	1.0	108	66	140			
m+p-Xylenes	9.04	ug/L	1.0	90	78	133			
o-Xylene	4.64	ug/L	1.0	93	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	106	70	130			
Surr: Dibromofluoromethane			1.0	128	77	126			S
Surr: p-Bromofluorobenzene			1.0	107	76	127			
Surr: Toluene-d8			1.0	105	79	122			
Batch: R132181									
Sample ID: B09062048-005Gmsd	Sample Matrix Spike Duplicate		Run: SV5972.I_090701A				07/01/09 23:13		
Acetone	49.2	ug/L	20	98	62	130	1.6	20	
Acrylonitrile	52.4	ug/L	20	105	60	130	9.6	20	
Benzene	5.04	ug/L	1.0	101	71	133	3.2	20	
Bromochloromethane	6.24	ug/L	1.0	125	68	131	1.9	20	
Bromodichloromethane	5.04	ug/L	1.0	101	67	138	5.7	20	
Bromoform	5.04	ug/L	1.0	101	64	136	5.7	20	
Bromomethane	4.92	ug/L	1.0	98	60	138	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 07/02/09
Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R132181		
Sample ID: B09062048-005Gmsd	Sample Matrix Spike Duplicate		Run: SV5972.I_090701A					07/01/09 23:13	
Carbon disulfide	5.32	ug/L	1.0	106	46	145	0	20	
Carbon tetrachloride	5.36	ug/L	1.0	107	61	144	2.3	20	
Chlorobenzene	5.20	ug/L	1.0	104	78	136	5.5	20	
Chlorodibromomethane	5.00	ug/L	1.0	100	72	136	0.8	20	
Chloroethane	5.48	ug/L	1.0	110	64	136	3.7	20	
Chloroform	5.24	ug/L	1.0	105	69	133	3.1	20	
Chloromethane	5.92	ug/L	1.0	118	63	149	11	20	
1,2-Dibromo-3-chloropropane	5.04	ug/L	1.0	101	63	125	9.1	20	
1,2-Dibromoethane	4.96	ug/L	1.0	99	75	131	2.4	20	
Dibromomethane	5.04	ug/L	1.0	101	72	133	6.6	20	
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129	7.2	20	
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131	3.9	20	
trans-1,4-Dichloro-2-butene	4.84	ug/L	1.0	97	50	142	29	20	R
Dichlorodifluoromethane	5.60	ug/L	1.0	112	55	141	5.9	20	
1,1-Dichloroethane	5.28	ug/L	1.0	106	72	130	2.3	20	
1,2-Dichloroethane	5.00	ug/L	1.0	100	57	146	7.5	20	
1,1-Dichloroethene	5.44	ug/L	1.0	109	66	142	7.6	20	
cis-1,2-Dichloroethene	5.68	ug/L	1.0	107	74	133	8.8	20	
trans-1,2-Dichloroethene	5.40	ug/L	1.0	108	76	138	6.9	20	
1,2-Dichloropropane	4.92	ug/L	1.0	98	72	135	6.7	20	
cis-1,3-Dichloropropene	4.76	ug/L	1.0	95	75	132	1.7	20	
trans-1,3-Dichloropropene	5.04	ug/L	1.0	101	77	145	6.6	20	
Ethylbenzene	5.20	ug/L	1.0	104	78	131	5.5	20	
2-Hexanone	49.6	ug/L	20	99	72	131	4.1	20	
Iodomethane	5.64	ug/L	1.0	113	66	132	1.4	20	
Methyl ethyl ketone	49.2	ug/L	20	98	55	145	7.8	20	
Methyl isobutyl ketone	48.8	ug/L	20	98	73	129	4.2	20	
Methylene chloride	5.08	ug/L	1.0	102	73	126	4	20	
Styrene	4.28	ug/L	1.0	86	76	134	37	20	R
1,1,1,2-Tetrachloroethane	5.08	ug/L	1.0	102	75	135	4	20	
1,1,2,2-Tetrachloroethane	5.00	ug/L	1.0	100	72	132	6.6	20	
Toluene	5.12	ug/L	1.0	102	78	134	7.3	20	
1,1,1-Trichloroethane	6.04	ug/L	1.0	121	64	141	2.7	20	
1,1,2-Trichloroethane	4.92	ug/L	1.0	98	72	133	4.1	20	
Trichloroethene	6.40	ug/L	1.0	105	75	138	4.5	20	
Trichlorofluoromethane	5.72	ug/L	1.0	114	58	139	5.8	20	
1,2,3-Trichloropropane	4.64	ug/L	1.0	93	67	133	4.4	20	
Vinyl acetate	4.32	ug/L	1.0	86	31	124	23	20	R
Vinyl chloride	5.72	ug/L	1.0	114	66	140	5.8	20	
m+p-Xylenes	10.2	ug/L	1.0	102	78	133	12	20	
o-Xylene	5.20	ug/L	1.0	104	79	136	11	20	
Surr: 1,2-Dichloroethane-d4			1.0	104	70	130			
Surr: Dibromofluoromethane			1.0	128	77	126			S

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/09

Project: Sanitation Inc Landfill

Work Order: B09062525

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R132181		
Sample ID: B09062048-005Gmsd	Sample Matrix Spike Duplicate			Run: SV5972.1_090701A			07/01/09 23:13		
Surr: p-Bromofluorobenzene			1.0	111	76	127			
Surr: Toluene-d8			1.0	108	79	122			
Sample ID: blka070109	Method Blank			Run: SV5972.1_090701B			07/02/09 01:28		
Tetrachloroethene	ND	ug/L	0.50						
Surr: 1,2-Dichloroethane-d4			0.50	104	70	130			
Surr: Dibromofluoromethane			0.50	126	77	126			
Surr: p-Bromofluorobenzene			0.50	110	76	127			
Surr: Toluene-d8			0.50	109	79	122			
Sample ID: B09062048-005Gms	Sample Matrix Spike			Run: SV5972.1_090701B			07/02/09 05:31		
Tetrachloroethene	81.2	ug/L	10	107	78	137			
Surr: 1,2-Dichloroethane-d4			10	102	70	130			
Surr: Dibromofluoromethane			10	123	77	126			
Surr: p-Bromofluorobenzene			10	116	76	127			
Surr: Toluene-d8			10	110	79	122			
Sample ID: B09062048-005Gmsd	Sample Matrix Spike Duplicate			Run: SV5972.1_090701B			07/02/09 05:58		
Tetrachloroethene	84.0	ug/L	10	112	78	137	3.4	20	
Surr: 1,2-Dichloroethane-d4			10	103	70	130			
Surr: Dibromofluoromethane			10	125	77	126			
Surr: p-Bromofluorobenzene			10	113	76	127			
Surr: Toluene-d8			10	109	79	122			

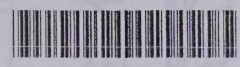
Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Workorder Receipt Checklist



Sanitation Inc

B09062525

Login completed by: Jill M. Lippard

Date and Time Received: 6/25/2009 9:00 AM

Reviewed by: BL2000\ruby

Received by: Ig

Reviewed Date: 6/26/2009 8:18:24 AM

Carrier name: Return-UPS
Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature:	5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

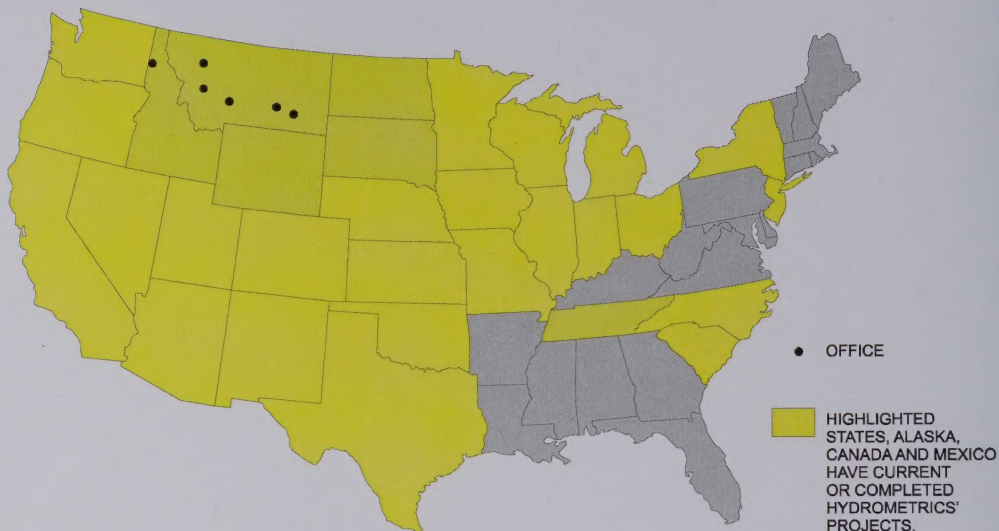
Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: DAMSCHEN Consulting		Project Name, PWS, Permit, Etc.: SANITATION INC Landfill		Sample Origin: State: MT		EPA/State Compliance: Yes ☒ No ☐	
Report Mail Address: 5531 YORK ROAD Helen, MT 59602		Contact Name: Barry Damisch		Phone/Fax:		Email:	
Invoice Address: P.O. Box 892 Sanitation Inc PO Box 892 Laurelton, MT 59459		Invoice Contact & Phone: Bill Spojka 538-8767		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats - ELI must be notified prior to sample submittal for the following: ☐ DW ☐ GSA ☐ POTWW/WWTP ☒ State: MT ☐ Other: DEQ Solid Waste		☐ A2LA ☐ EDD/EDT (Electronic Data) ☐ LEVEL IV ☐ NELAC		ANALYSIS REQUESTED Number of Containers: 1 Sample Type: AWS VBO Air Water Soils/Solids Vegetation Bioassay Other MT DEQ Solid Waste Box only		RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: Lograd per Helena Quote #207 per client's Helena	
Shipped by: PHILIPSGRd Cooler ID#:		Receipt Temp: 5 °C On Ice: ☒ Yes ☐ No Custody Seal: ☒ Y ☐ N Bottles/Coolers: ☒ Y ☐ N Intact: ☒ Y ☐ N Signature Match: ☒ Y ☐ N		SEE ATTACHED Normal Turnaround (TAT)		LABORATORY USE ONLY	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date		Collection Time		MATRIX	
1. SLNW - 2		6-22-08		1430		7W	
2. SLNW - 3				1530		7W	
3. SLNW - 4				1645		7W	
4. SLNW - 4D				1645		7W	
5. TRIP Blank						1W	
6. DMSHPO243		4-10-09					
7.							
8.							
9.							
10.							
Custody Record MUST be Signed		Relinquished by (print): Barry Damisch Date/Time: 6-27-09 Signature: [Signature]		Received by (print): UPS Date/Time: 06/24/09 16:50 Signature: [Signature]		Relinquished by (print): [Signature] Date/Time: 06/24/09 16:50 Signature: [Signature]	
Sample Disposal: Return to Client:		Lab Disposal: X		Received by Laboratory: 6-25-09 9:00 Signature: [Signature]		Relinquished by (print): [Signature] Date/Time: 6-25-09 9:00 Signature: [Signature]	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



HYDROMETRICS, INC. OFFICES

MONTANA

HELENA (Corporate)
3020 Bozeman Avenue
Helena, MT 59601
Phone: (406) 443-4150
FAX: (406) 443-4155

BILLINGS
5602 Hesper Road
Billings, MT 59106
Phone: (406) 656-1172
FAX: (406) 656-8912

COLSTRIP
Phone: (406) 656-8305
Fax: (406) 656-8912

KALISPELL
300 Learn Lane
Kalispell, MT 59901
Phone: (406) 552-4510
Fax: (406) 552-4706

MISSOULA
667 East Beckwith
Missoula, MT 59801
Phone: (406) 721-8243
FAX: (406) 542-2619

WHITEFISH
14 West 2nd Street, Suite 2
Whitefish, MT 59937
Phone: (406) 862-4937
Fax: (406) 862-4938

IDAHO

COEUR D'ALENE
2736 White Pines Drive
Coeur d'Alene, ID 83815
Phone: (208) 660-8548
Fax: (208) 765-5286